

BIG BUD: SUPER INDOOR CLONE!

HIGHTIMES

K42427

MARCH 1987

INSIDE

\$3.95
CANADA \$4.50

CANNABIS CASTLE!



**THE INCREDIBLE STORY
OF THE MAN WHO WOULD BE
KING OF CANNABIS**

BY STEVEN HAGER



Indoor Sun

ENERGY EFFICIENT GROW LIGHTS

METAL HALIDE—(balanced growing spectrum)

All systems include an assembled ballast, bulb, reflector, 15' lamp cord and 8' power cord.

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- ★ 1000 watt STANDARD—18" high temp. white enamel reflector. Ventilated ballast box. System includes a 110,000 lumen—12,000 hr. bulb \$167.50
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- ★ 400 watt ECONOMY—2'x3' polished aluminum reflective hood (not shown). Assembled open ballast. System includes a 34,000 lumen—20,000 hr. bulb \$109.50
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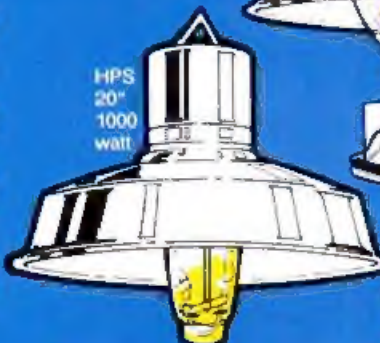
46" Super Reflective Aluminum Hood



MH 14" 400 watt



MH 18" 1000 watt



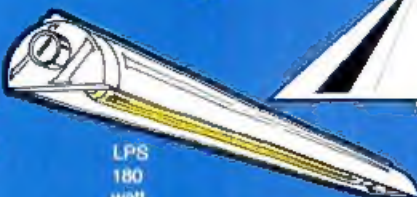
HPS 20" 1000 watt



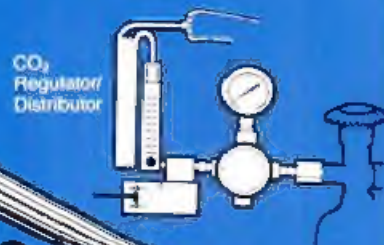
MH Deluxe Ballast



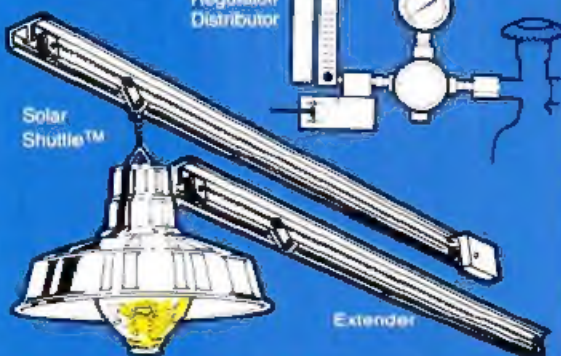
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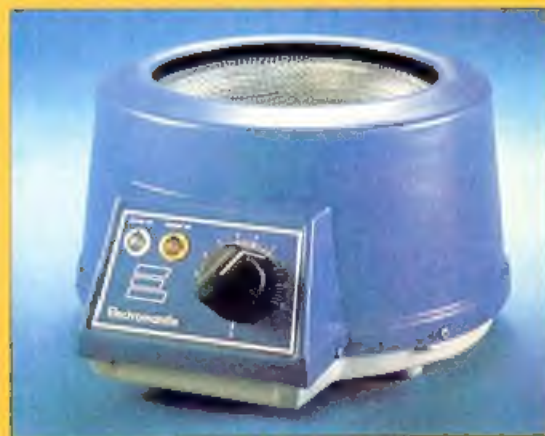
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BURRITO BROTHERS 500 ml ORGANIC CHEMISTRY SET



- | | |
|-----------------------------------|---|
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| 1 - 300 2 neck boiling flask | 1 - Adapter 3 way claisen |
| 1 - 200 1 neck boiling flask | 1 - Adapter 90° to gas port |
| 1 - 100 1 neck boiling flask | 1 - Stopper 24/40 ground joint |
| 1 - 50 1 neck boiling flask | 1 - Allihn 300 mm |
| 1 - Thermometer Bushing "Adapter" | 1 - West 300 mm |
| 10/30 to 24/40 | 1 - Liebg. 300 mm |
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| 10/30 ground joint | 1 - Bleed Pipe |
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EM 5000/CE	5000 ml	365.00

BURRITO BROTHERS 1000 ml ORGANIC CHEMISTRY SET



- | | |
|------------------------------------|---|
| 1 - 1000 ml 3 neck boiling flask | 1 - Adapter 105° with vacuum connection |
| 1 - 500 ml 2 neck boiling flask | 1 - Adapter 3 way claisen |
| 1 - 300 ml 1 neck boiling flask | 1 - Adapter 90° to gas port |
| 1 - 200 ml 1 neck boiling flask | 1 - Buchner funnel 150 ml 24/40 with vacuum |
| 1 - 100 ml 1 neck boiling flask | 1 - Stopper 24/40 |
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| 10 to 360° C | 1 - West condenser 300 ml |
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Mantle Cat. # _____

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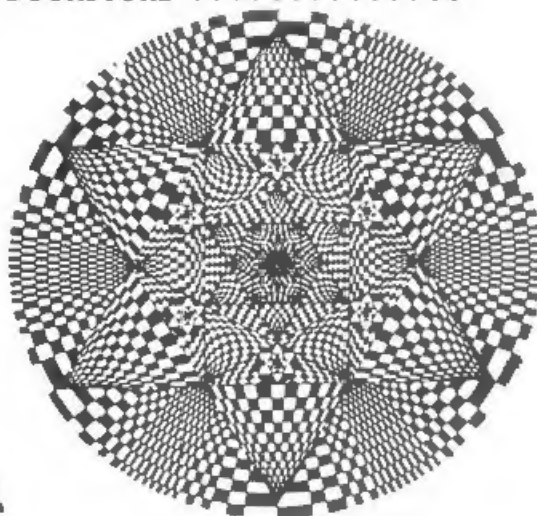
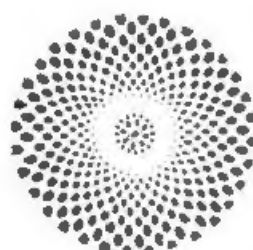
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JACQUES KASZEMACHER

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JEFF VAUGHN

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EDITOR'S NOTE

CAVEAT EMPTOR

After 13 years, the **HIGH TIMES** position on marijuana should be clear to anyone with eyes to read. So after you read our amazing story about **The Man Who Would Be King of Cannabis**, please take note of the following cautions. ● Pot seeds, like psilocybe mushroom spores, have no dope in them of any sort. Unlike psilocybe spores, though, pot seeds are as illegal as marijuana itself—indeed, as illegal as heroin—both inside the United States and in most other nations on earth, except for the Netherlands, Nepal, Singapore, the Soviet Union, and a few others. Any part of the marijuana plant is a Schedule I Controlled Substance, both in United States law and by the terms of several international treaties (except for the delta-9 THC inside pot plants, which now ranks as a Schedule II Controlled Substance, like cocaine). ● Confusing, right? So far, we at **HIGH TIMES** know of **no one** in the United States who has been busted for receiving marijuana seeds, either directly or indirectly, from the Netherlands or any other country. But since US Customs has, from time to time, intercepted US-bound shipments of Netherlands pot seeds, it should be assumed that they're hip to the several commercial seed merchants there. ● This is just another timely **caveat** for the **emptor**, okay?

From on high,

Dean Latimer

Executive Almighty Editor

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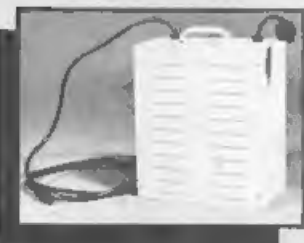
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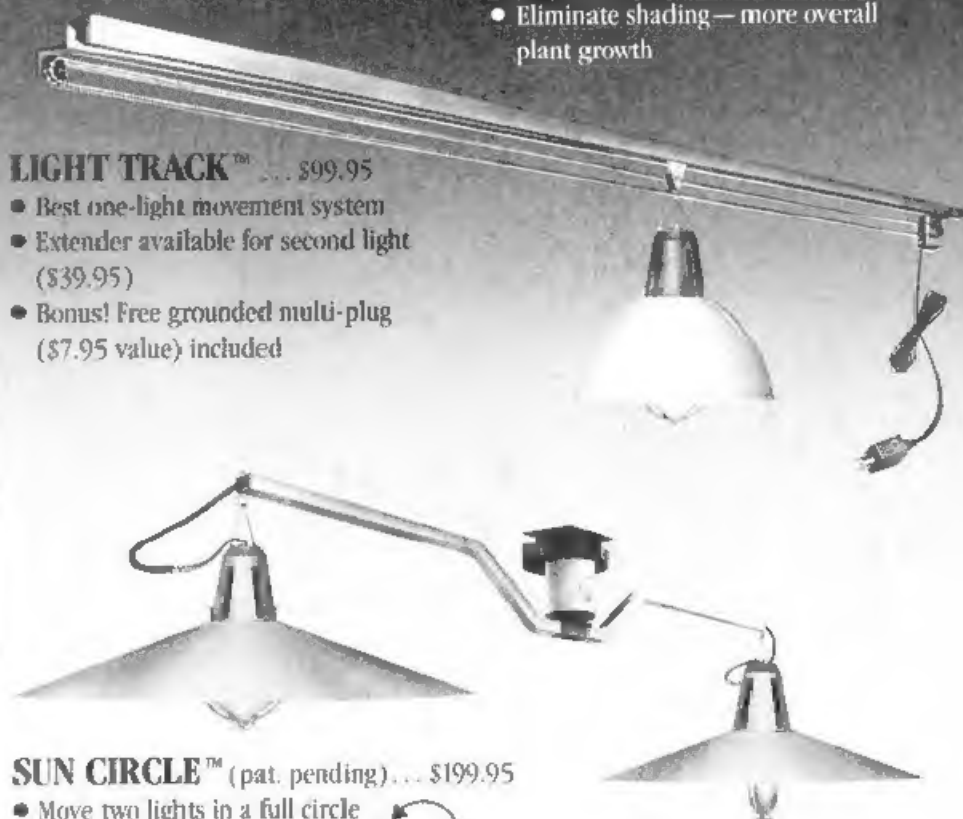
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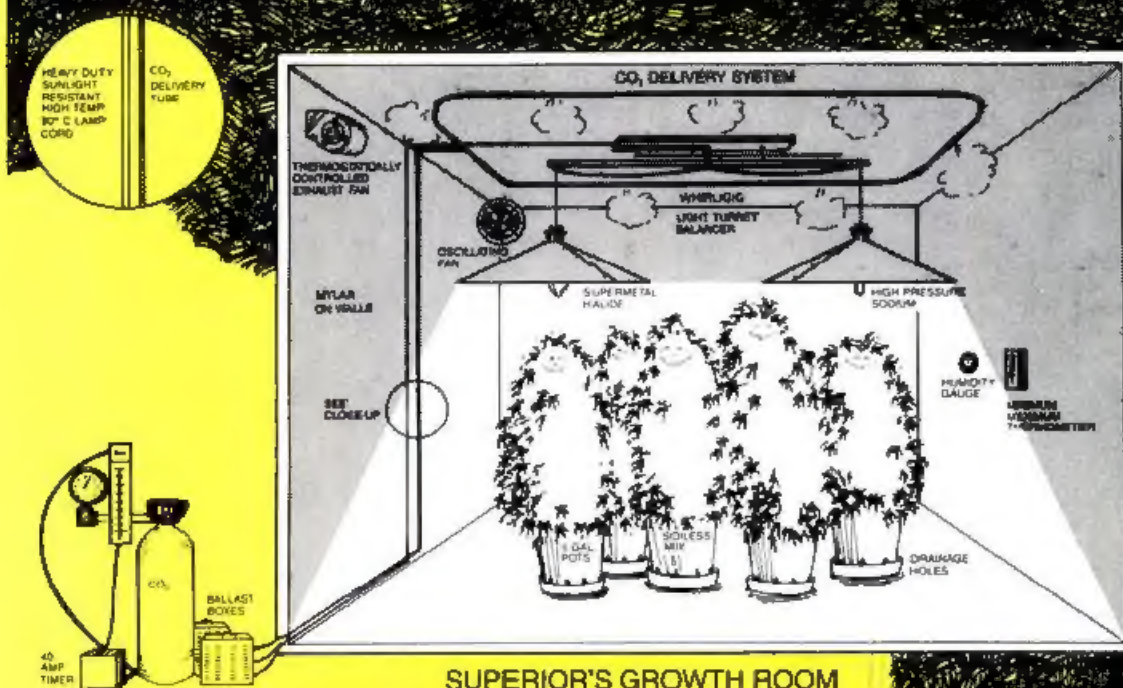
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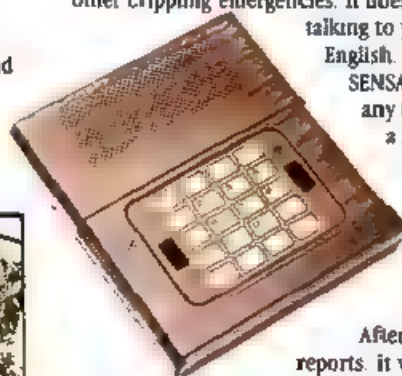
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talking to you in plain English. You can call SENSAPHONE at any time and get a status report (temperature, power, etc.) via its voice synthesizer.

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Easy to install, just plug it into your phone line.

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- Infrared Sensor** — detects human movement up to 35 feet away 99.00
- Paging Adaptor** — allows your SENSAPHONE to access an automated paging system whereby you are beeped if an alert condition exists 99.00

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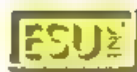
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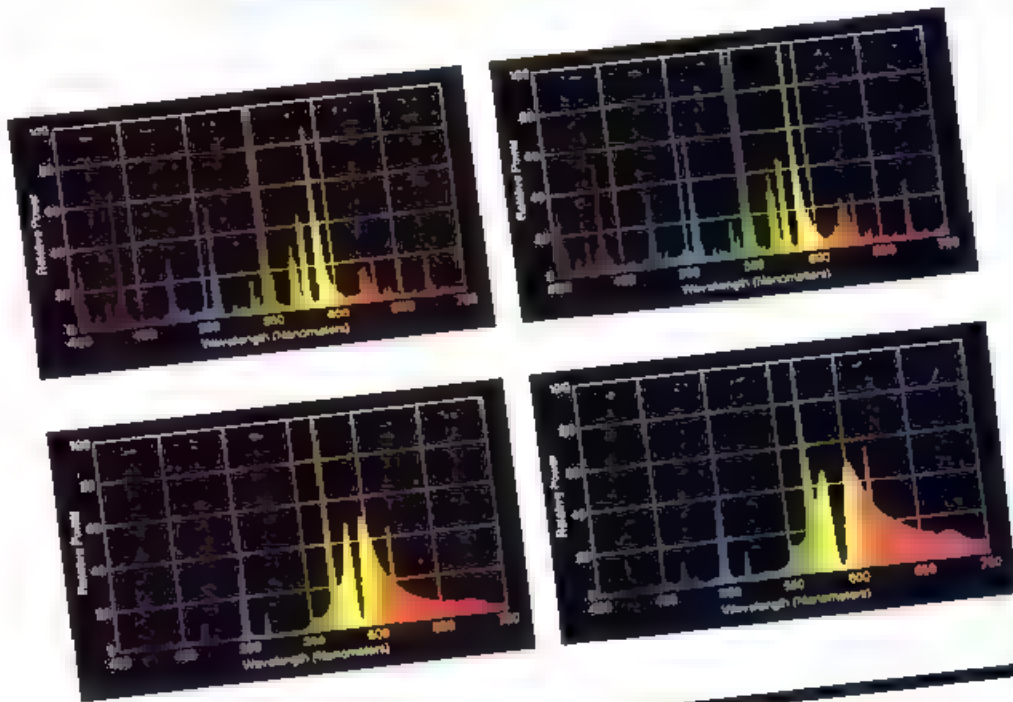
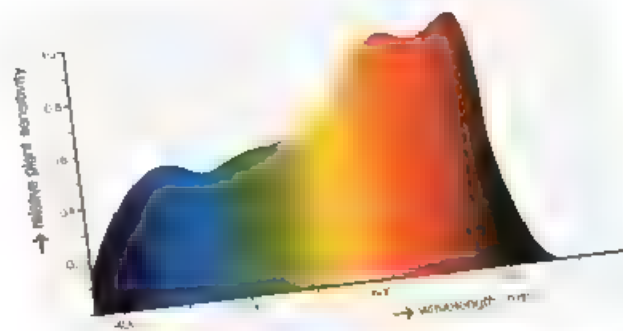
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Since 1969, enough Americans have been arrested for possession of marijuana to empty the states of:



Oregon

(pop. 2,633,149)



Nevada

(pop. 944,038)



Idaho

(pop. 800,493)

And the cities of:

Fresno, CA (pop. 218,202)

Amarillo, TX (pop. 149,230)

Santa Fe, NM (pop. 48,899)

Spokane, WA (pop. 171,300)

Pueblo, CO (pop. 101,686)

Redding, CA (pop. 41,995)

Salt Lake City, UT (pop. 163,033)

Casper, WY (pop. 51,106)

Flagstaff, AZ (pop. 34,641)

And the towns of:

Piercy, Reynolds, Leggett, Rockport, Cummings, Covelo, Ukiah, Dos Rios, Laytonville, Branscomb, Westport, Longvale, Inglenook, Cleone, Ft. Bragg, Novo, Willits, Casper, Mendocino, Etlerville, Potter Valley, Redwood Valley, Comptche, Albion, Calpella, Navarro, Talmage, Elk Philo, Manchester, Boonville, Point Arena, Yorkville, Anchor Bay and Gualala, California (pop. 66,783)

In fact, almost 6,000,000 people have been arrested for possession of marijuana. In 1984 alone, over 419,000 marijuana arrests were reported, one every minute and a half. The government has pledged to continue. If you think enough is enough, get involved.

Join NORML today by sending \$25 membership dues, or write or call for free information:

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☐ Yes, I want to do my part to end the suffering caused by America's unjust marijuana laws.

☐ Enclosed are my \$25 regular membership dues. Please send me my membership package: a copy of the state and federal marijuana laws and a free NORML button.

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National Organization for the Reform of Marijuana Laws

LETTERS

WHITHER COKE?

I know you folks at HIGH TIMES must be as concerned about the current drug scene as I am. Cocaine, once thought to be relatively safe, is now being portrayed as man's deadliest killer. Please devote an issue to the coke and heroin dilemmas—what is the real truth behind where their scenes are heading?

—Concerned And Confused
Atlanta, Georgia

Cocaine isn't any more dangerous now than it was five or ten years or a generation ago. The problem this particular season is that cocaine is available right now to an incredibly broader number of people than ever before, and it's being prepared in a way—crack freebase—that intensifies its effects a thousandfold over ordinary snort coke.

The first thing, the unprecedented availability of cheap, pure cocaine everywhere in the country, is exactly what HIGH TIMES was predicting two years ago. In 1984, American drug authorities finally succeeded in inducing the government of Colombia to break up the three big Colombian cocaine cartels that had maintained a stranglehold on the trade since the 1960s. When those billionaire mobsters were all exiled (mainly to Panama) in 1984, we predicted then that the coke trade would proliferate like never before: because now, instead of just a few greedy crooks controlling the supply and setting the prices, the South American cocaine supply was wide open to thousands and thousands of greedy crooks operating independently of each other. We predicted then that the tonnage of imported cocaine would rise by at least 20 percent every year from then on; to our horror, it rose by over 200 percent the very next year. This is why cocaine is now so cheap that it can be sold in schoolyards. As for the crack phenomenon, even we weren't evil enough to predict THAT! Crack is simply the very best way to merchandise small, cheap doses of cocaine. Instead of offering the customer a negligible pinch of

dubious white powder, you can now show him little standard-sized chunks of solid stuff, and price it at \$10 to \$20 per chunk. And since the effects are so much more drastic and overwhelming when cocaine is smoked than when it's snorted, the customer will be coming back for more and more, guaranteed.

As for crack being "man's deadliest killer," don't worry about it. By this time next year—HIGH TIMES officially predicts—you'll be hearing about glass, bathtub methamphetamine prepared for inhaling. Reports of glass on the street are still scarce, and it's not clear yet exactly what form it's taking: a powder, a chunk, a liquid, or even possibly a paste. But when it's inhaled, glass should have exactly the same effect as crack, with this one single advantage for the dealers: that anyone with an acquaintance with second-year college chemistry ought to be able to cook it up in a bathtub. By this time next year, it's possible that this new freebase crank may have driven crack right off the market. And things will be even more screwed up than they are now.

As for heroin, well—somehow with all this ghastly new garbage all over the streets, heroin begins to seem as homely and familiar as Bayer Aspirin, doesn't it?

MORE ART AND MUSIC

In these times of stunting mediocrity, you folks are an oasis of creativity! Please keep up the art and music sections. Peace and have a great New Year.
—Marco

BLACK MARKET ACID

Analysis shows that people who have died from LSD actually took no LSD at all, but strychnine—a poisonous

OOPS

In "The Grateful Dead: An Appreciation," February, 1987 HIGH TIMES, typographical gremlins caused two band members' names to be misspelled: Brent Mydland and Bill Kreutzmann.

alkaloid. Claims that LSD may be easily prepared by a chemistry student are untrue. LSD is very sensitive to air and light—it is oxidatively destroyed by oxygen and transformed into an inactive substance under the influence of light. Also, the correct dosage is of paramount importance. Controlled dosage is not possible with preparations made on the black market. Please advise your readers how dangerous and unwise it is to take black market LSD.

—Bob S.

Orange County, California

LEGAL LABS

I had a legal problem and turned to HIGH TIMES for help. It worked. Thanks to information published in your magazine, charges against me were dropped! Thank you HIGH TIMES!

SPINAL PROBLEM

I have a friend who took Ecstasy four times within three months. He is sure that two of those times the MDMA was top quality. But now his back is REALLY FUCKED UP! I'm only writing because the author of your November '86 article "Why is Ecstasy legal?" Richard Seymour, stated "... In that ecstasy interacts directly with the brain and spinal column..." I have since been told that Ecstasy drains fluid out of the spinal column and that it takes four to six months for the fluid to be replenished. So why didn't you mention this in your article?

—Jessica R.

San Francisco, California

MDMA may be the culprit of your friend's condition, but not in the way he thinks. Frequent use of the drug will deplete the brain's store of serotonin, a neuro transmitter. Such depletion would decrease MDMA's effectiveness, but it wouldn't cause physical pain.

All psychoactive drugs have their effect in the brain and upper spinal nerve centers, or central nervous system (that's why they're also called CNS drugs). None that I know of actually drains spinal fluid.

Most likely, your friend's back pain has other sources, but if the condition is related to MDMA, the culprit may be disturbing psychological material released from suppression by the drug and manifesting as pain or anxiety. This is a frequent problem when MDMA is used without psychotherapeutic supervision. If the problem persists, some counseling to deal with these released anxieties may be helpful.

—Richard Seymour

NORML — IZER

Liberation and the National Security State

By JOHN GETTMAN, NORML Director

Let's examine the cause of freedom abroad and at home. The biggest obstacle to freedom and liberty is the "national security state." We cannot effectively dismantle national security states abroad until we effectively do so here, and we cannot do so here until we end the prohibition against marijuana that is its cornerstone in the United States.

The national security state is a government that embraces an ideology that, according to Margaret Crahan, author of *Human Rights and Basic Needs in the Americas* (1982), "places national security above personal security, the needs of the state before individual rights, and the judgment of a governing elite over the rule of law. Furthermore, it identifies the nation, state, and armed forces with one another and regards a challenge to one as a threat to all others."

This description is commonly applied to right-wing military regimes in South America, but it just as easily describes left-wing tyrannies such as the governments of the Soviet Union and other communist countries. Unfortunately, it can also describe components of other, more libertarian regimes such as our own. Whether communist or non-communist regimes are more hostile to individual liberty is beside the point, though. The issue is that repression by any government, no matter what its political philosophy or its social accomplishments may be, is morally unacceptable to lovers of freedom.

I in no way claim that our country is a repressive, national security state. And I want to help keep it that way. However, in the desperate attempt to sustain the "War on Drugs" our government is embracing the tactics and strategy of a repressive government. This dangerous tendency must be identified, publicized, and halted. Indeed, several prominent conservatives normally sympathetic to the "War on Drugs" are now beginning to

Many marijuana activists have felt neglected by an American left that puts more emphasis on liberation from national security states abroad than at home.

question the path it is blazing for us to follow.

National security regimes justify their power grab as an extraordinary response to an extraordinary crisis. The principal task of the regime is to reorganize the population to achieve some national objective, and also to destroy an enemy of the people. National security states operate by seizing power and then manipulating the interest groups in a society so that they work at cross purposes with one another. This divide-and-conquer strategy prevents opposition from organizing, and creates an environment suitable for effective retribution against government critics. Does this remind you of the "War on Drugs"? It should.

There is an authoritarian tendency in every government. Our own Constitution was designed as a protection against any govern-

ment attempt to monopolize power; our country has survived as a democracy solely because we have been able to keep the lust for power of our elected officials under control. However, since the drug issue surfaced in this century we have seen the steady, unmistakable growth of an American national security state.

In 1974, Joe Eszterhas, a reporter for *Rolling Stone*, published *Nark*, written on the premise that "most narcotics agents aren't cops. They are deputized gangsters, hoods legitimized by the shields they've been given, their shields a symbol of corruption." Eszterhas tells three stories in the book, detailing the abuses of local, state, and federal forces (police, not the military—not yet) in trying to enforce our drug laws. These abuses include entrapment, warrantless searches, murder, and other sleazy practices. Unfortunately, *Nark* was just a warning of more abuses to follow.

Since the book's publication, the narcs have been given a new agency, the Drug Enforcement Administration (DEA), and new mandates to screw the druggies no matter what the cost. The December issue of *Reason* Magazine had a cover story entitled "The DEA, the Real Scum of the Drug World." Today, in order to achieve the national security objective of a drug-free America, the DEA is empowered (or thinks it is empowered) to make warrantless searches, entrap individuals into drug deals, smuggle narcotics, seize property, make arrests on foreign soil, encourage the beating and torture of suspected drug dealers by overseas police, kidnap individuals suspected of drug offenses, and protect cooperative felons from prosecution.

But the DEA is just the most visible manifestation of the developing American national security state. We also have the designation of drugs generally, and marijuana specifically,

continued on page 30



PHOTOTRON[®]

PIONEERS IN THE MODERN ERA OF RESEARCH ON THE MINERAL NUTRITION OF PLANTS...ONE OF THEM WILL CHANGE YOUR LIFE.



LUTHER BURBANK lived from 1849 to 1926, and not before or since has there been a greater contributor to plant development. Every domesticated fruit or vegetable or flower has been produced by Mr. Burbank directly or by his methodology.

Mr. Burbank's methodology was extremely simple. (1) First he would GATHER the most extensive seed stock of a particular species from all over the world. (2) Then he would PLANT all of the seeds closely together. From the resulting ten thousand plants, he would (3) SELECT one or two that had the most pronounced characteristic of size or shape or scent or color or whatever he was looking for. (4) From those one or two plants, all of the seeds were PLANTED and ten thousand plants, only one or two would be (5) SELECTED that further developed more of the desire. The process of planting and selection would be repeated as often as necessary from a few generations to hundreds of generations until Mr. Burbank would release the final seed stock to the rest of the world.

Mr. Burbank grafted one hundred different types of apple branches onto a single apple tree and each branch bore a completely different fruit the first year for his personal selection. Inventing this grafting technique, he squeezed thousands of years

of research into a few. The results of his work, from potatoes to apples to EVERY domesticated fruit, vegetable or flower, are what we grow today. The Burbank Potato Quadrupled World Production in One Year. Luther Burbank never needed a lot of space. In his lifetime he conducted over one hundred thousand series of experiments and changed the world on less than three acres of land.



DENNIS ROBERT HOAGLAND, 1888-1949, was the inventor of the "four salt Hoagland solution" from which all HYDROPONICS are based. Although a brilliant botanist, Dr. Hoagland was interested in only one thing, the BIO-MASS (size and quantity) of the TOMATO produced hydroponically. Working under the scientific assumptions of the early 1900s, Dr. Hoagland's world assumed four things:

A. Plants had a life cycle leading to death. **WE NOW KNOW** plants have a very different way of achieving a life and death cycle than does the human being. Humans are more genetically structured toward their life and death cycle than plants. Plants allow environmental factors to control not only their life and death cycle but their sex as well. Such things as (1) "PHOTOPERIOD" (length of time under light and dark), (2) "THERMO-PERIOD" (length of time under temperature variation) and most importantly (3) "NUTRIENT PERIOD" (length of time under a given nutrient configuration).

B. Maximum SIZE and WEIGHT before death of (a) root, (b) shoot, (c) fruit, known as the "root to shoot to fruit ratio" was the absolute goal. **WE NOW KNOW** the "root to shoot to fruit ratio" is a fallacy. There is no such thing. While keeping

fruit exactly the same size as normal, both the root (below the soil) and the shoot (above the soil) can be minimized. And by reducing the inter-nodal lengths* (distance between the budding sites from an average of 6 inches to less than 1 inch), the number of the normal sized fruit will increase to thousands per plant. *Footnote: See inter-nodal length graph in "The Garden" brochure.

C. Plant "lush feeding" of excess nutrients meant nothing. **WE NOW KNOW** plant "lush feeding" kills the plant. The basis of the hydroponic method is that a fresh nutrient supply be pumped in while the used nutrient supply drains out. This allows the plant to absorb excess amounts of calcium. If allowed, the plant will absorb 10 times what it requires of calcium to the exclusion of other more beneficial nutrients like N, P, K, Mg, Na, Cl, etc. Too much calcium and the plant gets GARDENING ON THE ARTERIES and dies after one season's growth period.

D. An aqueous (water) based system without a "buffer" (soil having a cation exchange capacity, C.E.C.) was best. **WE NOW KNOW** an aqueous (water) based nutrient solution surrounding the root system without a "buffer" to protect the roots creates a "water root" - a thick, fleshy root that has layered itself with "fat" to protect itself. Nowhere near the amount of root surface area is produced hydroponically (water based) as when the roots are buffered against excess concentrations by a soil medium.

WE NOW KNOW all of the soil mediums used by Dr. Hoagland, such as perlite, vermiculite, and sand have no buffering action or "CATION EXCHANGE CAPACITY" (C.E.C.). The CATION EXCHANGE CAPACITY of a soil medium is the ability of that medium to ABSORB AND RELEASE a nutrient solution. The cation exchange capacity of the soil medium protects the root system and allows it to produce thousands more root structures, producing thousands more square inches of root surface area. The greater the root surface area, the more efficient the nutrient uptake for faster growth.

In the early 1900s did not have the advanced technology of 1986. Equipment for testing nutrient solutions and plant tissue such as the gas-liquid chromatographic assay (GLC), Thin-Layer chromatographic assay (TLC) and sophisticated atomic absorption equipment were not available.

With the aid of the computer since 1951, the medical profession by comparison has advanced in the last 30 years more than in the preceding 2,000 years. If Dennis Robert Hoagland had access to 1986 technology in 1920, he never would have designed the hydroponic system.



JEFFERY JULIAN DEMARCO, 1951 - is President and founder of PYRAPONIC INDUSTRIES and is the inventor of the methodology known as GROWING PLANTS PYRAPONOMETRICALLY and the PHOTOTRON.

Three things are required to grow plants pyraponometrically. 1. A laboratory grade growth chamber known as the PHOTOTRON. 2. A specific METHODOLOGY for plant growth and manipulation (instructions). 3. A very specific NUTRIENT SUPPLY COMPUTER DESIGNED IN PARTS PER MILLION (PPM) for each individual PHOTOTRON. The exact nutrient calibrations are individually calibrated based upon two soil samples taken from the phototron, one after FORTY-FIVE DAYS of plant growth and one after 90 DAYS of plant growth. ONLY TWO ARE REQUIRED.

Mr. DeMarco's Masters thesis was on the cannabinoid profile of marijuana. After working under both federal and state license in a laboratory at a major university for over two years, and since 1976 has developed the phototron, the methodology and the chemistry to study the internal workings of the plant (not just the SIZE and WEIGHT but almost importantly to study the MOLECULAR and PHARMACOLOGIC properties of the plant). The research developed in pursuit of Mr. DeMarco's

research PERTAINS TO ANY PLANT.

Pharmacognosy is the study of molecules produced inside plants. This type of study requires very sophisticated equipment like the Gas-Liquid Chromatogram (GLC), Thin Layer Chromatogram (TLC) and Atomic Absorption.

TLC describes the psychoactive molecule produced by the marijuana plant, is so microscopic that 100,000 molecules fit end to end would sit on the head of a pin. When you're concerned about growing structures so infinitesimally tiny, what difference does the size of the plant make?

In the disciplines of Botany, Horticulture, Plant Physiology, Soil Chemistry and Floriculture, a "root to shoot to fruit" ratio requires a large root and a large shoot to grow large fruit.

Growing plants Pyraponometrically (by exactly measuring all 21 environmental elements) requires the plant to produce minimal root, minimal shoot, minimal inter-nodal lengths, and maximize the number of budding sites and size of the bud, flower or fruit.

To develop the (A) PHOTOTRON, (B) the CHEMISTRY and (C) the plant manipulation methodology known as GROWING PLANTS PYRAPONOMETRICALLY, the marijuana plant was used because of its unique properties.

The PHOTOTRON was designed to: (1) GROW 6 PLANTS THREE AND ONE HALF FEET TALL IN 45 DAYS. (2) Duplicate exactly the quality of the plant material the seed came from. (3) RE-FLOWER AND RE-BUD PLANT MATERIAL EVERY 45 DAYS UP TO 9 TIMES PER YEAR. (4) NEVER KILLING THE PLANTS YEAR AFTER YEAR. (5) BE REMOVED FROM EVERY DAY. (The system is designed for plant removal, not containment) and (6) To produce 6.8 ounces of plant material every 45 days.

Growing Plants Pyraponometrically will revolutionize indoor plant production as we know it today. At PYRAPONIC LABORATORIES, over 25 PHOTOTRONS are used for new experiments. To date, PYRAPONIC LABORATORIES have successfully catalogued 17 varieties of flowering plants, 14 varieties of fruits and vegetables, 8 varieties of tobacco and will force flower roses 365 days per year.

A year or two years from now, PYRAPONIC INDUSTRIES will mass market the PHOTOTRON through the major retailers, on television and radio. I will look forward to working with you. Thank you very much.

1-312-544-B-U-D-S

Jeffery Julian DeMarco
PRESIDENT, PYRAPONIC INDUSTRIES

PHOTOTRON II

[illegible]

THE PHOTOTRON		NONE	24	YES	YES	YES	YES	YES	YES	YES
Halide Systems		50%	1	NO	NO	NO	NO	NO	NO	PUMP

	LEAF SELF SHADING
LIGHT	LINEAR FEET OF LIGHT
	SPECTRUM ADJUSTABILITY
	COMPUTER DESIGNED FOR EACH SYSTEM
NUTRIENTS	GUARANTEE FEMALE SEX
	NEVER KILLS THE PLANTS
	ONE-INCH INTERNODAL LENGTHS = 1,000 BUDDING SITES PER PLANT
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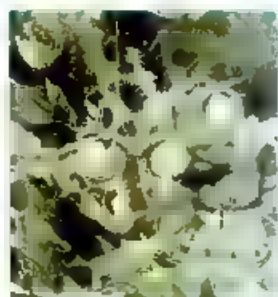
GROWTH PATTERN OF TOMATOES GROWN PYRAPONIMERICALLY



Young tomato plants in vegetative stage.



Young tomato plants beginning to flower and fruit.

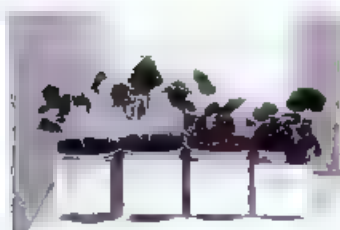


Fruiting less than an inch apart



"Normal" fruit development with a reduced root-to-shoot ratio

GROWTH PATTERN OF CUCUMBERS GROWN PYRAPONIMERICALLY



Typical testing pattern by Pyraponic Laboratories depicting the morphological differences of cucumbers grown under identical conditions except one nutrient level.



Plants nearing top of Phototron in less than 30 days.



Plants filling the Phototron in less than 45 days.



Tremendous flowering and fruiting less than an inch apart



"Normal" fruit development with a reduced root-to-shoot ratio

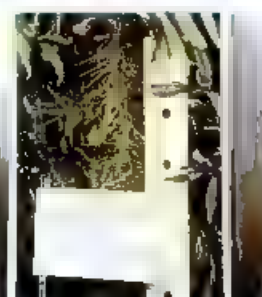
HERBS, VEGETABLES AND FLOWERS GROWN PYRAPONIMERICALLY



Herbal garden at 65 days of Parsley, Sage, Basil, Oregano, Thyme and Chive.



The hottest jalapa pepper grown anywhere in the world

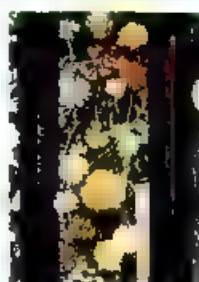


Laboratory experiment producing complete root systems in the stem structures of flowering marigolds.

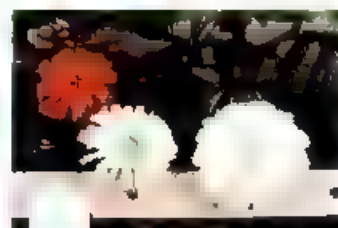


Normal marigold flower size produced with reduced root-to-shoot ratio

GROWTH PATTERNS OF ZINIAS AND SNAPDRAGONS GROWN PYRAPONIMERICALLY



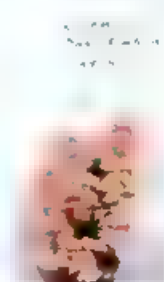
Day 44 Phototron jammed with flowering zinias.



Day 52 "Normal" zinia flower size produced with reduced root-to-shoot ratio.



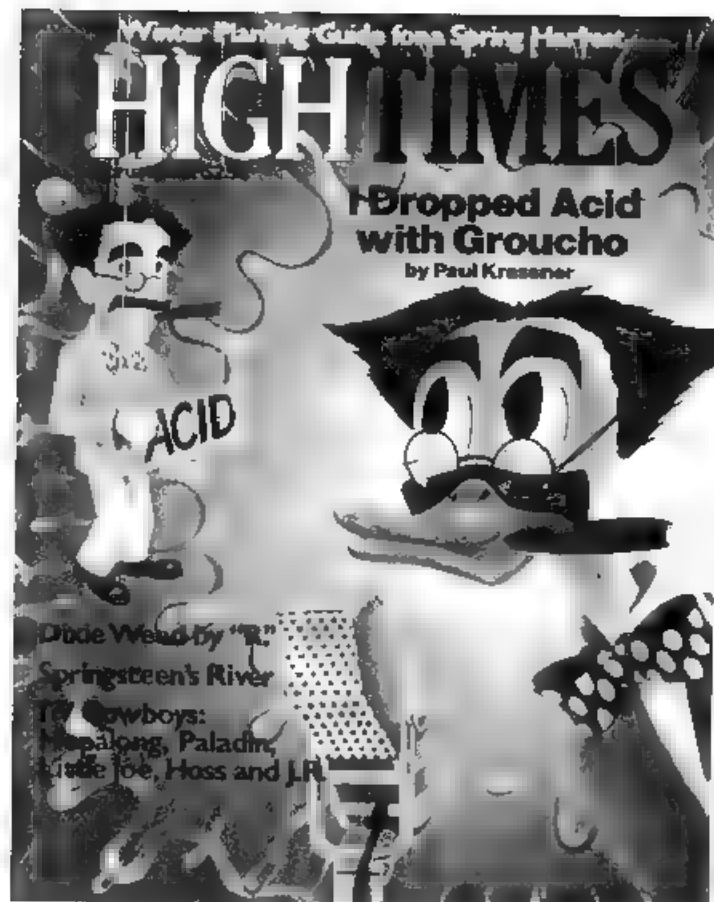
Day 46 Phototron jammed with flowering snapdragons.



Day 58 "Normal" snapdragon flower size produced with reduced root-to-shoot ratio.

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HIGHWITNESS NEWS

MARCH '87 • NO. 139

DRUGS IN THE MEDIA NEW YORK TIMES SHOCK HORROR:



JONATHAN ROSEN

METHADONE CAUSES COCAINE ADDICTION!

by Dean Latimer
NEW YORK CITY

Methadone is only a stepping-stone into the fatal tarn of cocaine addiction, current "drug beat" journalist Peter Kerr recently declared in the *Sunday New York Times*.

After interviewing several top officials in New York State's substance-abuse bureaucracy—whose 22-year-old methadone maintenance program for heroin addicts is virtually the only successful antidrug project ever undertaken anywhere—this reporter for the *Times* stated: "Thirty-five percent of people who have broken away from heroin addiction by entering New York's methadone maintenance programs are now using cocaine."

And, after speaking with eminent drug-abuse experts at Yale University in New Haven, Connecticut, he concluded: "Some researchers, in fact, say methadone maintenance programs might actually increase the likelihood that former heroin addicts will try cocaine."

In the same story, Kerr wrote: "According to Charles LaPorte [Deputy Director of the state's Division of Substance Abuse Services, or DSAS], urine tests administered weekly or monthly to the 30,000 patients in methadone programs in New York City this year show that 35 percent, or 10,500, showed evidence of cocaine use. Last year, Mr. LaPorte said, 10 percent of methadone patients tested positive for cocaine."

The conclusion seemed inescapable to any reasonably intelligent and informed reader: some property of methadone positively inclines the people who take it to become addicted to cocaine, the favorite drug of media headline-panderers at the time Kerr wrote his piece for the *Times*. And when he wrote it, he invited every reasonably intelligent and informed reader to conclude that the Deputy Director of DSAS had

continued on page 22

GERALDO DOPES TV AUDIENCE!

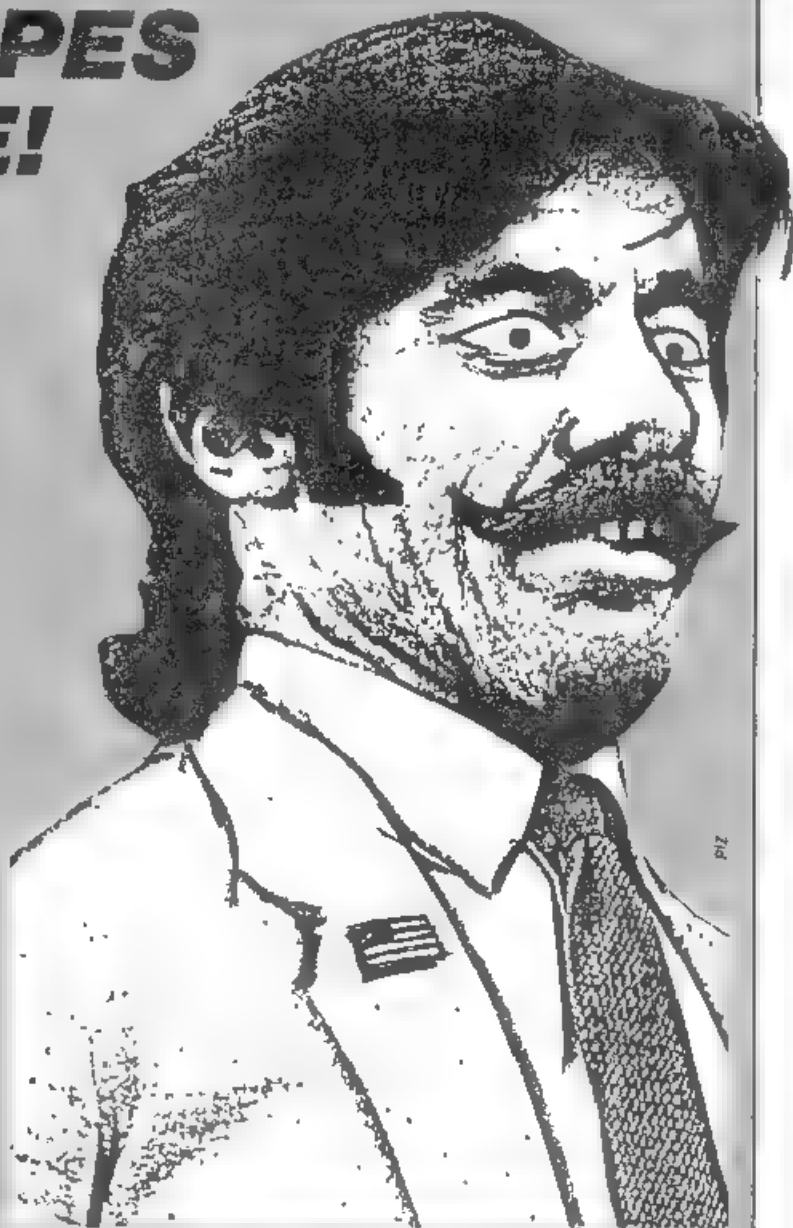
The world will little note nor long remember Geraldo (not his real name) Rivera, the American television journalist. Two years ago, Rivera (as he styles himself) was permitted to resign from the American Broadcasting Network, which had previously billed him as an "investigative journalist." After his defenestration from ABC, Rivera found gainful employment as the butt of many Johnny Carson monologues, having discovered after several hours of excruciating on-the-air claptrap that the great gangster Al Capone had left an empty safe in the foundation of a building in Chicago.

Having established himself as an expert on emptiness, the eponymous Rivera next tackled the "drug epidemic" in America in December 1986 with a TV special, "American Vice," nearly a full month after the mainstream media had abandoned the "drug epidemic" for the infinitely sexier topic of Contragate. The world little noted what Geraldo did in this respect (his drug-pandering special played opposite "Moonlighting" and "Hill Street Blues").

Which is a shame, because on that program, Rivera perpetrated the very first "piss-in" on national television. He asked his audience of about 100 people, before the show was taped, to furnish urine specimens for drug-testing by the wonderful EMIT method. At least a dozen people present, including ACLU president Ira Glasser and NORML director Kevin Zeese, had regretfully refused to piss in Geraldo's bottle on moral and ethical grounds.

In the same audience, however, were eight members of Columbia University's chapter of NORML, and they freely and bravely offered their urine for testing **twice**. They told Rivera's urine collectors that they'd like to furnish two specimens apiece, so that he'd be sure to get at least 16 piss specs that would come up positive for pot (if Geraldo's EMIT wasn't producing too many "false negatives," anyway). This way, Geraldo would be able to show a handsome percentage of pot positives among his studio audience.

This was agreed to. Geraldo's piss collectors took two samples from each of the Columbia NORML people present. At the end of the show, therefore, Geraldo was able to announce that no less than **12 percent** of his audience had come up "positive" for marijuana. This was a shockingly high percentage, considering that **most** of the audience had been recruited from the ranks of pious "anti-drug" political front outfits like the National Federation of Parents for Drug-Free Youth, and their persecuted children. So the NFPDFP louts and their kids wound up looking **very** suspicious, just because Geraldo's urine collectors had allowed the Columbia NORML people to amplify the number of their guaranteed-positive samples



Self-styled Hispanic Jerry Rivers.

But Geraldo did not explain any of this on the air. No more than he explained exactly why he and his girlfriend—an ABC news producer—had "resigned" together from ABC two years ago. Something unprintable had happened to a big batch of "merch"—rumor has always had it—on its way from New Orleans to New York hidden in a routine shipment of television news tapes.

So! The world little noted, and no one at all now remembers, Geraldo Rivera's two-hour dope special one night last winter. But the world would sure as hell remember it if anyone would ever run a dope-sniffing dog past Geraldo's personal desk, live on network television, with no advance warning. That would really be something to videotape for the good of the children: a narcotics-sniffing dog coming up against Geraldo Rivera's personal desk, live on national telly. Those critters can smell it for **weeks** after it's been flushed.

—Dean Latimer

estimated to him that the state's methadone-maintenance rolls include 10,500 cocaine addicts, all receiving drugs on the public tab. **Neither of these conclusions is even remotely close to the truth.**

The *New York Times*, therefore, is once again in extremely bad odor at DSAS in Albany. Since DSAS, as the country's largest and oldest public purveyor of treatment services for drug-dependent persons, swings considerable clout in state and city politics, an editorial on the *Times* famous "Op-Ed Page" from some eminent drug expert extolling the genuine virtues of methadone maintenance is inevitable, probably even before this installment of "Drugs in the Media" sees print. In the meantime, eminent drug experts at DSAS are privately uttering colorfully uncomplimentary things about the *Times* and its "drug beat" reporters, past and current, to journalists at other publications. To savor fully the profundity of their rancor, a brief history of methadone maintenance is in order, with particular reference to the ambivalent attitude the *Times* has always harbored toward methadone.

Naltrexone, Son of Methadone

Methadone maintenance only works for some heroin addicts, but for them it's the difference between an ordinary life or a life on the streets or in prison, or a premature death. It's not a pleasant, euphoria-producing drug like heroin. In people unused to it, methadone promotes a leaden, unjoyful, constipated sort of sedation. In people with an established tolerance to opiate drugs like heroin, methadone has no mental effects of any sort. For them, the special virtues of this opiate "agonist-antagonist" drug are simply that it 1) eliminates the flu-like withdrawal symptoms and acute drug craving that accompany heroin abstinence, and 2) physically blocks all the effects of heroin, so that people maintained on daily doses of methadone are physically incapable of getting high from shooting up street smack.

The techniques of methadone maintenance were carefully developed in the '60s in New York City by the late Dr. Marie Nyswander and her husband, Dr. Vincent Dole. A political incendiary bomb from the first, methadone maintenance was the subject of continuous emotional condemnation, alternating with cautiously clearheaded appraisal, by publications like the *New York Times*, well into the '70s. Finally, in 1976, after a ten-year review of the program's first decade of public existence, researchers for the Public Health Service quietly published proof of how methadone works, and works especially well, in a couple of subtle and extremely significant ways.

After examining ten years of law-enforcement statistics, and cross-referencing them with DSAS methadone statistics, the fed-

New York Times editors ought to think twice before they publish sensational, cocaine-oriented cheap shots at the state's methadone programs.

eral researchers discovered that persons stabilized on methadone were 90 percent less likely to be arrested by the police than street heroin addicts. By 1976, then, methadone maintenance had already saved New York State taxpayers untold millions in jail fees, court fees, police overtime, and all the associated public medical costs incurred whenever heroin addicts are thrown in jail and get sick from withdrawals there. And of course the state saved untold millions more on all the burglaries, holdups, purse snatchings, and other petty crimes these methadone clients were not committing anymore to feed their heroin habits. After the details of this federal assessment quietly made the rounds of influential opinion-makers in the state and in the city, methadone pretty much ceased to be a focus of controversy in the late '70s. Though obviously uninclined to say anything positive about the methadone program, opinion organs like the *Times* at least resisted the urge to bestow generous publicity headlines on every tinpot political demagogue who chose to lambast the wickedness of methadone any time an election drew nigh.

In the mid '80s, however, New York's methadone maintenance programs began to encounter political trouble from a novel quarter: from the promoters of a new experimental "maintenance" therapy involving a drug called naltrexone. Though naltrexone blocks a heroin high just as effectively as methadone does, it does nothing to prevent the occurrence of "secondary abstinence"

symptoms in detoxified ex-addicts: sudden rushes of flu-like withdrawal symptoms and drug craving that can assail an ex-addict, for no particular reason, at random intervals for months after acute detoxification. Methadone clients are not prey to secondary-abstinence flashes, but ex-addicts without it frequently find the symptoms so disagreeable and scary that they succumb to the urge to readminister heroin, and relapse immediately into full-blown addiction (if, indeed, they don't overdose by shooting their previously accustomed dose all at once, instead of carefully "tapping" it into the vein until the symptoms disappear).

In November 1985, however, in a front-page, two-part series, *New York Times* Washington reporter Irwin Molotsky erroneously reported that naltrexone does abolish heroin craving in detoxified ex-addicts, having been misinformed to that effect by Ed Nida, a public-information flack at the Food and Drug Administration. Naltrexone had just been approved by the FDA for prescription dispensation by several drug-treatment clinics, most notably the clinic at Yale University. There, Dr. Herbert Kleber was telling reporters—even *HIGH TIMES* reporters—that naltrexone might someday replace methadone as a standard long term therapy for ex heroin addicts. If there were only no methadone or heroin available anywhere, Kleber suggested to *HIGH TIMES*, then ex-addicts on naltrexone would probably do much better than the current pathetic figures indicate (see *High Witness News*, "FDA Pushes Opiate 'Blockers' for Addicts," *HIGH TIMES*, May 1985).

Although the naltrexone statistics at Yale and elsewhere, then and now, show an extraordinarily high "turnover" rate for naltrexone clients, this did not keep the *Times* last year from vigorously touting naltrexone as a good, clean, and obviously more moral alternative to methadone maintenance. Months later, after the truth about naltrexone evidently percolated back to the *Times*' managing editors from DSAS, they ran on their "Op-Ed Page" a suitably laudatory piece on methadone written by yet another eminent drug expert. However, the newspaper did not stoop so far as to correct Mr. Molotsky's false statement that naltrexone blocks the craving for heroin.

Magic Mathematics

All last summer and autumn, cocaine became the best-selling media-scare drug since angel dust held that spot in the late '70s. In his 10 October 1986 piece citing methadone as a stepping-stone to cocaine addiction, reporter Kerr quoted Yale naltrexone researcher Dr. Frank Gawin to the effect that "recent research [has] indicated that methadone treatment programs might contribute to increased cocaine use among methadone patients." And after cit-

ing ostensible New York DSAS piss-test statistics to suggest "a sharp rise in cocaine use among methadone patients in the last year," Kerr raised the searching moral question of whether DSAS methadone programs "are effective in keeping addicts drug free." Nowhere in the article was the word "naltrexone" mentioned.

At Yale, Dr. Kieber still runs the heroin-treatment clinic along with Dr. Gawin. When he spoke with Kerr at the *Times*, Dr. Kieber recalled for **HIGH TIMES**, Dr. Gawin had mentioned that their methadone clients do show a higher rate of urine positives for cocaine testing than their naltrexone clients do. This should not be surprising, he pointed out, since they never have more than 60 naltrexone clients in any given week, whereas they have a steady methadone population of over 300.

Moreover, the naltrexone clients in New Haven are accorded a great deal more personal attention and general psychological "cheerleading" than the methadone patients. "We do much more family work with the naltrexone population," Kieber clarified, "since naltrexone doesn't have the holding power of methadone. The dropout rate with naltrexone is immense" (Ten years ago, the Public Health Service's appraisal of methadone showed that since its stabilized clients rarely seek specific psychological counseling, methadone costs immeasurably less tax money than any alternative treatment modality.)

As for the DSAS statistics offered by reporter Kerr to infer an appalling 10,500 cocaine addicts on the methadone rolls, a ranking Albany spokesman for DSAS succinctly told **HIGH TIMES**. "He turned into a mathematician instead of a reporter," DSAS Deputy Director LaPorte himself explained to reporters how Kerr's arithmetic was preposterously ill-conceived and entirely meaningless. New entries to the methadone program are piss-tested on a weekly basis, stabilized clients are tested once a month. While it's true that the percentage of cocaine positives among all these samples rose from 10 to 35 percent between 1985 and 1986 (an increase commensurate with the stupendous upsurge in cocaine's availability on the street during that time), the conclusion that these statistics represent any computable number of individuals is either ignorant or fraudulent. And there's absolutely no telling how many of these people had used cocaine just once over those two years, or used it several times, or used it with any sort of chronic, "addict" type of frequency; or how many of them had been using cocaine *before* they entered methadone maintenance. After he completed his personal characterizations of several *New York Times* "drug beat" reporters for us, another veteran DSAS source said for the record: "We have no way of determining the number of individuals in meth-

INSPIRED ASSSLICKING

INTERFERING WITH URINE TESTING			
These over-the-counter and prescription drugs used in normal doses can interfere with the results of urine tests			
DRUG	BRAND NAME	INTERFERES WITH	TIME
Dextromethorphan	Vicks Formula 44-M Triaminic DM	Immunoassay opiates	1 Day
Phenobarbital	Primatene	Immunoassay, MS/GC barbiturate	1-3 days
Phenylpropanolamine	Dietac Dexatrim Cotylanol Triaminic	Immunoassay amphetamines	1 day
Diphenhydramine	Benadryl	Immunoassay methadone	1-3 days
Ephedrine	Primetime Brokotabs Nyquil	Immunoassay amphetamines	1-2 days
Amitriptyline	Elavil	Immunoassay opiates	3-11 days
Meprobamate	Demerol	Immunoassay opiates	No data
Carisoprodol	Soma	TLC, meprobamate	No data
Imipramine	Tofranil	Immunoassay opiates	1-3 days
Perylamine	Midiol, Premensin Primatene-M	Immunoassay opiates	No data

Source: There is little in the scientific literature about drugs that interfere with drug-use tests. But most toxicologists have compiled lists of such data, based on their own laboratory experiences. This list summarizes their consensus.

Recently the *Los Angeles Times* ran this chart to accompany an article on urine-testing. In their well-meant concern for public morals, they purposely left it unclear whether these over-the-counter drugs will cause *positive* or *negative* results on piss-test machines geared to seek the drugs with which they "interfere." They obviously felt that it would be morally wrong to give their readers the truth—that these OTC drugs will cause *positive* results for the targeted "illicit drugs"—on two grounds. First, it would mean encouraging everyone who's ever pulled "positive" for any of these drugs, and consequently been fired or turned down for employment, to sue the people who made them take the tests, and ream them for monetary damages. And it was very, very moral indeed of the *LA Times* to purposely plant in stupid peoples' minds the notion that, if they want to cheat on piss tests, they should take these OTC drugs to *disguise* the real drugs that must be lurking in their bladders. Once again, an American newspaper outstrips *Pravda* and *Tass* for inspired asslicking in journalism.

adone maintenance who may have used cocaine, or at what rate they may have used it, or in what form they may have used it."

Methadone or Death

Contacted at his Rockefeller University office here in New York, Dr. Vincent Dole said he could conceive of no reason why the *New York Times* would consistently publish erroneous information about any particular addiction-treatment methodology. "A good deal of the basic research on methadone maintenance just isn't very widely known," he pointed out. "For example, a colleague of mine in Sweden, Dr. Lars Gunn, some years ago published the results of an experiment that we wouldn't want to undertake in this country. To one group of addicts entering maintenance treatment he gave metha-

done, and to a matched group he gave a placebo formulation that did nothing. Within a very short time—just a few years—he found that virtually all the methadone clients had become stable, gotten jobs, fitted themselves back into society; whereas virtually all in the placebo group were either in prison or dead."

Whatever such research may portend for the future of naltrexone maintenance as a broad-based addiction-treatment method, it certainly ought to have *New York Times* editors thinking twice before they publish sensational, cocaine-oriented cheap shots at the state's methadone programs. While abrupt correction is always a good learning experience for reporters plumb the "drug beat," this sort of thing does hinder DSAS from providing life-or-death treatment to people who desperately need it. ●

WASHINGTON DOPE WATCH



"ANTI-DRUG" ABUSE PAYS OFF BIG!

Charles Winston-Levy

Twenty pounds of horseshit in a one-pound bag," one veteran Congress-watcher marvelled when told of the single biggest health services disbursement so far legislated during the Reagan Administration: \$200,000,000 to the Alcohol, Drug Abuse, and Mental Health Administration for the fiscal year 1987, and \$250,000,000 more each year for 1988 and 1989. "Congress just delivered the Public Health Service into the hands of Richard Hawks," he said happily. "Hawks will be running Health and Human Services before Reagan's out of office, and half the rest of the government too."

Dr. Richard Hawks currently runs the National Institute on Drug Abuse's Division of Clinical Research, which up 'til last October was one of the least-known branches of ADAMHA, one of the federal Public Health Service's most poorly-funded agencies. After its creation during President Nixon's long-forgotten "War on Drugs" in the early '70s, NIDA enjoyed handsome funding but was radically de-funded when the Reaganauts eviscerated all the federal "social" agencies in 1981. Just about any government scientist with any real talent or bureaucratic aspirations abandoned NIDA at that point—except for Richard Hawks, who everyone agrees is amply outfitted with truly extraordinary scientific talent and bureaucratic aspirations.

"At least the money will be handled by someone

with genuine intelligence," cocktail party gossipers seem generally to agree. Of course Dr. Hawks, as research director, will not be seen to be in charge of those hundreds of millions of dollars; but every private drug company or drug-therapy outfit that wants a piece of that billion-dollar pork barrel knows that it was strictly Hawks' Clinical Research branch that kept NIDA the least bit functional during straitened Reagan Interregum

by cocontracting much of its work with well-heeled private drug companies, laboratories, and urinalysis-machine manufacturers. "I see all of them over there again at NIDA, lining up like the old days," a scientist in another branch of the PHS observes cynically, and just a little enviously. "They've all got their hands out again, just like always before."

Everyone agrees that Hawks and his NIDA colleagues brilliantly manipulated the "War on Drugs"

NEW HOPE FOR THE OVERTAXED!

Though already hopelessly embroiled in the Contragate scandal, the Reagan Administration manfully moved in December to try to inhibit some of the "spend-spend-spend" provisions of the Anti-Drug Abuse Act of 1986. Dismayed at the arrant profligacy of the Act, OMB budget czar James Miller demanded the return forthwith to the national treasury of \$250,000,000—but not, alas, from the \$750,000,000 that was squandered to ADAMHA.

In fact, that particular quarter-billion had been legislated to the Justice Department for the construction of new state and federal prisons. Therefore, HIGH TIMES Magazine passionately supports Democratic Senator Joseph Biden's characterization of OMB's move to rescind this money as "a direct repudiation of the will of Congress" and "a violation of law." Senior Editor Dean Latimer has close friends engaged in the construction industry around Ogdensburg, New York, where a grand big new state hoosegow is slated to be built shortly, to handle the spillover of petty crack dealers rolled up by drugbusting US Attorney Rudolph Giuliani and New York City mayor Ed ("How m I dom?") Koch.

"The weed of crime bears bounty

harvests for prison-builders," gloats Latimer.

Less self-interested parties at HIGH TIMES take a rosier view of OMB's courageous resolve to protect this nation's fiscal integrity by hauling back all this tax money that was misappropriated by dopecrazed Congresspeople in an episode of collective delirium tremens last October. We forcefully urge the President's budgeteers to confiscate and impound every farthing of this outrageous bounty the NIDA dope-control clique's muck-fuck artists hypnotized Congress into allocating to them. (If a polite request from OMB can't do it, the Administration could look at NIDA through the perspective of Title 21, U.S.C. 18, Section 848.)

"Take the money back now before it's spent, Mr. Reagan!" urges Mark Swain. "If those NIDA shits and hysters get their hands on this much money to allocate, then three years from now the new Administration will only have to give millions more to the General Accounting Office to investigate how sleazily NIDA mismanaged it. Get it back from them now, Mr. President, even if you have to call out the National Guard to make Richard Hawks turn it back over at the point of a gun!"

hysteria that the national media, the Reagan Administration, and both political parties collaborated in generating for the sake of energizing last year's midterm national elections. With NIDA's skillful "scientific" antidrug propaganda fuelling both the press and the politicians, total lunacy prevailed in Congress by late October, when the debate over the Anti-Drug Abuse Act of 1986 made daily headlines for over three weeks. Even the staidest media outlets, such as the *New York Times* and PBS-TV's *McNeil-Lerher Report*, were completely mesmerized with the emotional debate over whether the final Act would impose the death penalty for drug trafficking; the capital-punishment fireworks were so spectacular that the media never even noticed that the Administration was reversing its sworn policy of de-funding social health services. No one at all noticed or complained—not even Senators Gramm and Rudman—when ADAMHA wound up getting nearly a billion dollars over the next three years.

Exactly how NIDA so beautifully and quietly lobbied this unprecedented human-services pork barrel out of a pinchpenny Republican administration is an instructive story, and we'll go into it in detail in the next "Washington Dope Watch" installment. In the space that's left, we'll just highlight a few of the other wholly bizarre and unaccountable provisions that various special-interest lobbyists slipped into the gorgeous Anti-Drug Abuse Act of 1986. While all the rubes were watching the death-penalty fireworks, here's what the pros accomplished, on the sly:

LOOK OUT, MAMACOLA!

One million dollars extra for NIDA's Clinical Research branch, specifically to develop a chemical defoliant for coca bushes. "It's the most impossible organ-

ism in all botany to kill," a frustrated supersleuth for the State Department's Bureau of International Narcotics Matters once told this reporter. "Forget paraquat, it only works on broadleaf weeds. Even 2,4-D won't wilt coca, and even when we mixed it with 2,4,5-T—in other words, went at coca with *Agent Orange*—the damn plants didn't even notice we were there. You have to saw the damned trunk off at the ground line and pump the taproot full of 2,4-D and then *maybe* it won't grow back!"

Richard Hawks himself at NIDA has publicly characterized coca's invulnerability to all known herbicides in similar (though strictly scientific) terms. So whether it's Dow or Monsanto that goes into cocontract with NIDA to develop an ultratough cocacide (suitable for spraying broadcast, of course, from military helicopters), it's certainly going to cost more than a measly million dollars in the long run. But it will be one infernally *useful* little chemical, now, won't it?

"BRING ME LA CABEZA OF JORGE OCHOA!"

A half million dollars "for information leading to the arrest or [sic] conviction of

Jorge Luis Ochoa Vasquez for narcotics-related offenses." Jorge Ochoa is just one principal in what US federal prosecutors call "The Medellín Cartel," which also comprises his fellow politico-industrialists Carlos Lehder and Pablo Escobar of Medellín, Colombia. These three individuals run all the dope that moves out of Colombia into the United States, according to numerous indictments in the Federal District for South Florida. Jorge Ochoa was accidentally arrested in Spain in late 1985 for phony identification papers, and while he was in stir there, the United States Government demanded his extradition to Miami to face charges of dope-running and multiple homicide. From jail, Ochoa (allegedly) contracted the machinegun murder in Baton Rouge of veteran dope pilot Adler Berriman Seal, the only sworn witness to most of the crimes Ochoa was charged with here in February 1986. Then the Colombian Government filed their own extradition demand for Ochoa, and no one in the US Government mentioned it (not even to the dope-maddened na-

tional media) when Ochoa was flown back from Spain to his home turf, Medellín, last summer. The Medellín magistrate at Jorge's arraignment unaccountably mixed his court papers with some *other* defendant named Ochoa, pronounced that his bail ticket was in order, and let him walk.

South Florida Congressman Larry Davis was the prime author of this idiotic piece of the Anti-Drug Abuse Act of 1986. Why he didn't also press for bounties on Carlos Lehder and Pablo Escobar—who, put together, ought to be twice as culpable as Ochoa alone—is a dark and bloody mystery. And if Ochoa ever *is* arrested again, ever in his life, *HIGH TIMES* herewith claims that \$500,000 bounty, for publishing this information. Why should Richard Hawks get all the taxpayers' drug money?

GENIUS CHEMISTRY

Ten years to life mandatory for manufacturing "more than 400 grams" of "N[1-(2-phenylethyl)-4-piperidinyl] propanamide" or "any analogue" thereof. Meaning fentanyl, alpha-methyl fentanyl, trifluorofentanyl—any conceivable

version of this synthetic opiate, which is so fantastically potent that just a few *micrograms* of it will completely schmeck out the most veteran junkie. Four hundred grams of fentanyl would be sufficient to furnish the entire New York City doojie market for a month, with ample spillover to satisfy Boston and Philadelphia (except that it would put the European mafia out of work, and so you don't see any fentanyl on the East Coast ever, no sir!).

And the same chemistry-wise Washington solons who wrote up this part of the Anti-Drug Abuse Act also levied ten-to-life mandatory for anyone caught cooking up just *ten* grams of sweet old LSD-25. Do the congressmen believe acid's 400 times more dangerous than this superpotent synth-o-smack? Because acid's not addictive, maybe, and you can't possibly overdose on it, like fentanyl? Obviously they could use an occasional fix of indole alkaloid down there in Foggy Bottom, because from the looks of this Anti-Drug Abuse Act, they're already all on something that damages the brain as sorrowfully as methyl-phenyl-tetrahydro-pyridine (which they wrote no law against at all!). ●

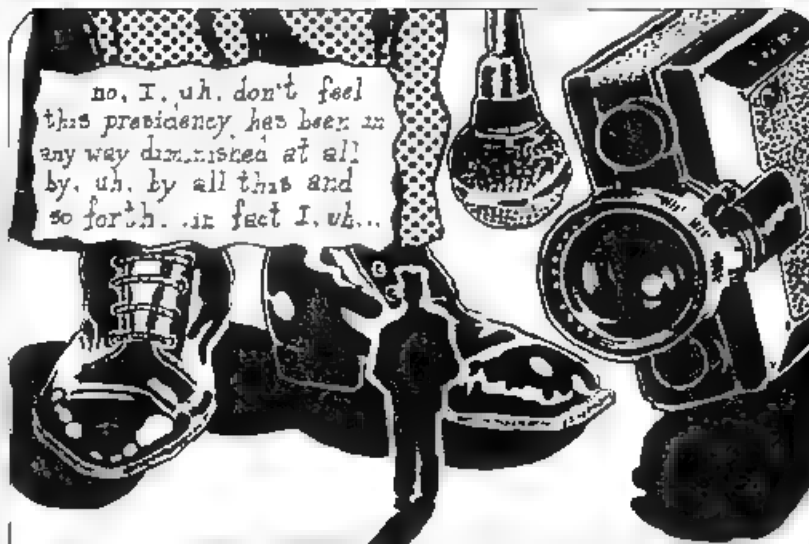
REAGANOPOLIS

MATTHEW FINCH

Has crisis clearly behind him, our hero steps out to face the nation.



no, I, uh, don't feel this presidency has been in any way diminished at all by, uh, by all this and so forth... in fact I, uh...



But something was strangely different

Within a few weeks the situation was desperate.



TRANS-HIGH QUOTATIONS MARKET

Prices current as of December 15, 1986.
Send quotations to: THMQ,
211 E. 43rd St., New York, NY 10017.

MAJOR MARKETS

Honolulu, HI	Mau Wowie some sweet ones	oz	75
	Honolulu City Buds "poor quality, need 2 joints to get a buzz"	oz	40
	for locals	oz	100
	for tourists	oz	75-90
	Upounry Mau Kolas, "super best buds, scarce but worth the \$"	oz	60
	Kona Gold, "potent stuff"	oz	30
	Hilo Headache Buds, "full of red hairs, very harsh"	1/2-oz	15
	North Shore Sleepy Wood, "good high, but you come down fast"	3-finger bag	50
	Honolulu home-grown, "average stuff"	oz	60
	Kauai Electric "potent, compact buds"	oz	80
	Coke, "only for the tourists"	gm	25
Memphis, TN	Semi-seeded red hair, pretty fair stuff	1/4-oz	250-275
	Cocaine, "if you're stupid"	1/4-lb	700-800
	Crank, crystal speed, light white/yellow "good shit"	gm	80-100
	Speed whites, "college exam dope"	oz	1800-2200
	#4 Dilaudid	oz	75-90
New York, NY	Comm Colombian, "bottom of the boat taste"	100	25
	Mexican "sinse-milla" (Tex-Mex), "long flat buds, decent sativa high"	1000	150-200
	Mexican "sinse-milla", "shorter rounder, more aroma, more strength"	each	45-55
	ns being heavily inbred to large commercial strain of sativa"	oz	50-90
	Jamaican bricks, cans or jams	lb	575-900
	"take your choice all pretty mediocre"	oz	125-175
	Thai: Thai seed	lb	1200-1600
	"grown in Mexico, some very nice sativa highs if product is fresh, otherwise give me indica"	oz	150-200
	Domestic "quality varies"	lb	1400-1800
	Upstate NY, "look-out Calif. N.Y. killer indica"	oz	150-225
	powerful, expanding very stoney—two tokes you're off"	lb	1800-2000

Mushrooms, always available if you know the right person in season"

AROUND THE U.S.

Bloomington, IN	Good commercial Colombian	1/4-oz	25
	Rudewits	oz	80
	Indica	1/4-oz	45
	Skunk, fairly seedy, genuine quality	oz	180
	two tokes high	oz	35
Carbondale, IL	Red-haired sinse	1/4-oz	125
	primo buds, "very tasty, worth the cash"	oz	40
	Mushrooms, immense quantity, good trip	lb	140
	LSD, white blotter, strong & steady	1/4-oz	40
	Coke, all rocks, very convenient, "blow your night tonight"	gm	8
Clearwater, FL	Jark brown dirt weed	1/4-oz	35
	Good sinse buds, "in short supply"	one	-
	Hash, good quality, "scarce"	gm	100
	Mushrooms, indoor grown cubensis, "great plentiful"	8-ball	325
	Coke, "scene is becoming too crazed for me"	1 finger bags	45
Columbus, OH	Cannabis indica, various grades from "creamy rich, to heavy syrup, to stinky skunk & back to original Khyper Pass. Kabul indica"	1 finger bags	30-40
	Sativa, various grades, "nothing outstanding"	gm	15
	Afghani hash, "seated with a K black putty"	3-6	15
	Coke, Peruvian & Bolivian, 100% rock, 94% pure, very high quality, "right off the plane"	gm	75-90
	Bootleg buds, "forget it"	oz	150-280
Fleming County, KY	Indica sinse, "tastes & smells like hash"	lb	2100-3300
	Local homegrown, so-so	oz	80-150
	Blotter acid, "wild tripping"	lb	1000-2100
	Speed, pink hearts, Moonshine, low grade, "tastes like hell"	oz	190
Grand Rapids, MI	California skunk #1 in the half oz. tin, "primo, limited in supply"	oz	13
Iowa City IA	Mexican, "Lamb's Breath, tight buds, super high"	gm	100

Indio, "clipped buds, very good"	lb	1600
Midwestern sinse (W.I.A. M.V.), "very stoney, the best deal in town"	1/4-oz	20-35
Thai, "the best but rare"	oz	80-140
Skunk buds, local grown, "very strong"	1/4-oz	60
Local brown, "average to not-so good"	oz	40
Mushrooms, "dried, expensive, good"	1/4-oz	160
Berkeley acid, blotter clean, good, dependable "mail order direct"	gm	15-20
Cocaine rocks, 60% pure yellow, "dangerously good"	hit	6-8
Ecstasy, "weird"	gm	2.50
Indica buds, probably Calif., "spicy fragrance"	8-ball	100
Skunk, large buds, overpowering aroma"	gm	300
Kona buds, "scarce authentic & awesome"	oz	100
Lumbo, brown, "possibly Mexican, OK"	8-ball	300
Hash, black, "fair"	oz	15-25
Cocaine, "this damn stuff is everywhere"	1/4-oz	60
Boot ex-ludes Jamaican brown, "very good, scarce"	oz	200
Homegrown buds, quality varies, some excellent"	1/4-oz	65
Acid, blotter or microdot	oz	240
XTC, "very hard to find"	oz	250
Commercial Mex or Colombo, "too old"	oz	3000
Quacky green brown bud, "not worth the price"	oz	125
Better County buds "mildly pungent gives you hopw"	oz	1200
Black hash, "sweet & moist, look hard"	gm	10
Coke, "beware of pieces of leather and bagfoot"	gm	80-100
Kentucky sinse some red hairs, "supply huge good buzz"	1/8-oz	200-275
Texas skunk, "one hit, lots of rean"	one	2-4
Thai stick with red string, "all over the place"	1/4-oz	35-40
Coke 40-50%	oz	25-35
Primo Jamaican gold, "great price"	oz	80-110
Killer sinse bud	oz	5
Afghani killer skunk	oz	100 hits
The Best Shit Around	1/4-oz	25

Normal-Bloomington, IL	Homegrown bud (local)	oz	90
	Brown dirt weed. They're trying to give it away	lb	800
	Hash	oz	60
	LSD blotter: when you can find it	gm	5
	Coke, "massive abundance"	one	4
	Skunk-sense cross: plump, hairy & sweet, light green buds	gm	70
		1/2-oz	700
		oz	12 1400
	Brown sense buds, "possibly Jamaican, long, fluffy, light weight buds"	1/4-oz	45
		oz	135
		1/4-lb	400-500
	Dark green red-hair: "nice 6-unc h buds, not sense, not worth more than 35"	1/4-oz	40
		oz	125
		1/4-lb	375-420
	Brown dirt buds, "not bad, but use a bong or choke"	1/4-oz	45-55
Pacific Palisades, CA		oz	165
		1/4-lb	450
	Psilocybin, "weird, mostly tops"	1/4-oz	20-35
		oz	50-25
		1/4-lb	200-300
	White blotter: double thick, no shit, 50% mcs, mumbending & clear	lb	700
		gm	5-10
		oz	135
		1/4-lb	6
	Orange Sunshine: "hear it's good from Ok. source"	100	300-400
	Pink & White Dove: "could be D-Con, bad batches out, steer clear"	hit	3-5
		100	200-300
	Mushrooms, "good, stoney shit"	hit	3-5
	LSD blotter "varying quality"	hit	who cares?
Piscataway, NJ	MDA, "losing popularity"	gm	15
	MDMA, "losing popularity"	gm	25
	Vermont sense: it green, red-haired sativa	oz	175
		lb	2000
	Mexican green, "SMEX" average quality bud, "OK, finally on scene"	lb	.650
	NY sense, real nice buds, "fresh as a daisy"	oz	150
		lb	1400-1800
	Jamaican buds (Rasta Garys): it brown rock hard buds, very few seeds, "getting better all the time, tons around"	1/4-oz	40
		lb	1350
	THAI Buddha: "None! People dying to get hands on some real good Thai! Where the hell is it?"	1/4-oz	40
	Colombian weed: "Sorry, we're out of business. Cocaine trade more lucrative, bigger payoffs"	oz	80
		1/2-oz	35
		oz	140
	Cocaine: "it's always available but who cares? All rock. Leads to serious addiction at these prices."	gm	6-8
	MDMA, X, XTC, Ecstasy, dried up all of a sudden, explanation unknown, only small quantities around"	1/4-oz	15
Raleigh, NC	Homegrown, "not good"	1/4-oz	25
		oz	80
	Red-haired sense: "packed buds, excellent"	1/4-oz	35
		oz	140
	Psilocybe shrooms: "killer"	gm	6-8
		1/4-oz	40
	LSD, green, purple microdot	one	5
	LSD, striped blotter "God"	one	5
	Coke, 50%, fair treebase, "numb"	1/4-oz	35
		gm	100
	Oregon Hill Tiger Lily buds, "quality product"	oz	175-200
		lb	1800-1900
	Commercial brown dope: "taco special, 2 scoops of seed per bag"	oz	90
		lb	who cares?

Sioux Falls, SD	Virginia's finest, farm grown, "smoking, great high"	oz	160
		lb	1400-1800
	Jamaican brown, "seedy good high"	1/4-oz	45-50
	Killer shrooms, "huge potent, 3-5 grms each, from the city on the bay SF"	gm	8
		oz	100-125
		lb	950
	Coke, "expensive, but worth it"	gm	100-125
		1/4-oz	550-600
		oz	1800-2000
		gm	90-110
	Crank "teacup twicker biker quality"	1/4-oz	60
	Thai bud, "low supply good high"	1/4-oz	50
	California sense: red-hair every where"	gm	12
	Leb hash, "blond and beautiful"	gm	7
	Shrooms, "Pink Floyd lives on & on"	1/4-oz	35
Winchester, VA	Coke: one blow & there you go	1/4-oz	25
	Opium, "none around, send us some"	gm	90
	Skunk, "grade A, ass kick"	1/4-oz	60
	Primo sense: "nice price"	oz	150
	Colombian, "brown"	1/4-lb	400
	Coke "street USA"	gm	100
	Coke, "real thing"	1/4-oz	25
		1/4-oz	625

IN THE BOONDOCKS

Ada, OK	Skunk "best in Okla. sticky as hell"	1/4-oz	30
	Millcreek homegrown, "spicy great high, black buds"	oz	100-120
	Homegrown sense, "nice high all over passes for commercial sense easily"	1/4-lb	250
	Hash "we need some"		
	Super shrooms, "excellent trip"	gm	10
	College crank, "tooting & hooting for days, finally coming up"	1/4-oz	4500
	Crank, "best to hit town in mags."	8-ball	225
	Loca sense, "great smoke"	1/4-oz	25-35
		oz	100-140
	Skunk buds	1/4-oz	40
	"the best"	oz	160
	Homegrown	oz	5-10
		lb	50-150
	LSD, red, purple, barrels, "pure trash"	one	4-5
		100	175-200
Perry County, KY	Cocaine, "good to worst"	1000	1000
		gm	100
		1/4-oz	500
		oz	1600-1800

CANADA

TORONTO: Afghan Paki Poor Jamaican Yankee homegrown Canadian homegrown	"Dirtweed"	oz	240
	"Lousy buzz"	oz	120-140
		oz	100-160
	"Baseball bat sized joints for a mediocre buzz & matching dizziness from sheer smoke volume"	oz	60-100
	"Not good"	oz	150-180
	"Red leb"	oz	180
	"Prices are up"	oz	200-225
	"White blotter, not the cleanest"	one	3
		100	160
		1000	1200
	"Primo, high flyer"	oz	200-250
		lb	2000-2400
	"Nice buds, medium buzz"	oz	150
	"Best of both worlds, varies in quality"	lb	1200-1400
		oz	160-180
VANCOUVER: Skunks & Kushes Indica Ruderalis Indica Sativa hybrids Northern Lights Black hash	Indica hybrid, "very sticky very potent"	1/4-oz	60
	Afghan border, "3 types ranging from king to average-it's everywhere"	gm	10
		oz	200-240
		lb	2200-2350



TRANS HIGH MARKET ANALYSIS

IOWA

I think your publication is outstanding, a contemporary marvel considering the current inhuman "conservative" (God fearing) swing in the good ol' US of A. But! You guys haven't updated your Iowa City, IA, Trans-Market Quotation list! So being a semi-cornerstone of the enlightenment goods business, I will quote you some prices of stuff that is here today (see THMQ—Ed). There is finally some good weed here, but throughout the summer and into fall, Iowa City experienced its worst dry spell for drugs ever, as far as I know. One disappointing fact is that there hasn't been any good hash in Iowa City since early '86.

Iowa City, Iowa

HAWAII

I just read your November Issue of HIGH TIMES and enjoyed it greatly. My friend and I especially liked the extended version of the "Trans-High Market Quotations!" Living in Hawaii gives us an opportunity to smoke the best *paka'olo* in the free world at reasonable prices. There is no drought of buds here in Hawaii! There are deals everywhere because everyone smokes. If you're flying over the Pacific Ocean, come on by!! For those of you interested in a nose job, cocaine is \$80 a gram (for the tourist only). Locals don't do that shit! We keep it natural.

Honolulu, Hawaii

UTAH

High, I just read the THMQ for November. On the front cover it states "the drought is over." I see from others' letters that people, or should I say the Heads, are having a hard time finding anything worth coughing over. Well, in Ogden, Utah things were very bad for a few months, but about two months ago things started happening. Stink bud was going for \$70 to \$80 for a 1/4-oz, mushrooms for \$45-\$50 a 1/4-oz. There was lots of snow, but also a very big cocaine bust. A month ago I got some killer sativa colas with practically zero seeds and big dense meaty buds, the kind an official HIGH TIMES centerfold taster would love to sink his fangs into. Thank Pot it's over. The killer sativa is going for \$30 an 1/8-oz, \$60 a 1/4 oz. It should go for more, but I'm trying to get prices back down!

Stonie Bolognisi
Ogden, Utah

ACTIVIST NEWS

in lieu of the police. Students also need to face the fact that the results of a urine test can ruin their chosen career plans.

The easiest method of disseminating information is the distribution of brochures. And if you think about it, generations of Americans—from Thomas Paine to the Young Republicans of the '80s—have gotten their message across by distributing literature. **NORML** has many different handouts that cover a variety of topics relating to marijuana prohibition. Besides the sharing of ideas with fellow students, it is also a good way of meeting the people who wish to help you with your efforts. All you need to do is contact **NORML**, let us know how many of which handout you need, and we'll get it out to you.

Another means to broaden students' knowledge of the issue is the campus media. College radio, television, and newspapers will be placed on **NORML**'s national press list upon request. In 1986 our press releases included information on these and other sto-

College and Pot: A Subject for Study

Activist News by Burt Neal,
NORML Projects Coordinator

The hotbeds of revolutionary activity in America are our colleges and universities. Remember how college life was one of the focal points for resistance to the Vietnam War? Remember the smugness of Republican leaders when they reveled in the fact that a majority of the youth vote went to Reagan during the last two elections? Remember the importance of the protests against universities investing in South Africa that paved the way for sanctions against apartheid? Then you'll appreciate the need for the marijuana movement to attract and sustain support in America's colleges and universities.

There is more importance to this than the cynical position of "get them while they're young and they're yours for life" of the Republican Party. Our colleges serve an important function: they cultivate knowledge. Webster's New World Dictionary defines knowledge as an "acquaintance

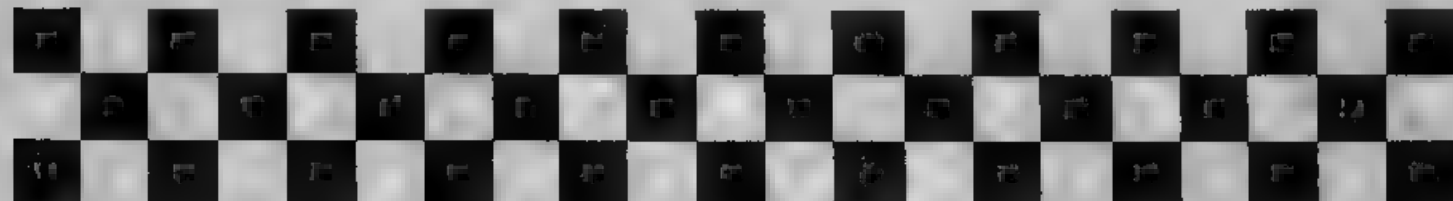
with facts, range of information, awareness, or understanding." **NORML** has always believed that the American people have yet to hear our side of the story. They have yet to obtain the knowledge required for a sensible evaluation of the marijuana prohibition. It is therefore extremely important that we get our point of view aired in the universities. Not only is the university climate most favorable to the free exchange of ideas, but it is also the best forum in which to appreciate the moral justification for **NORML**'s activities, which is simply this: the pursuit of knowledge is the cultivation of virtue.

A majority of college students is interested in the marijuana issue. I simply need your help in reaching them. Recent polls show that over half of America's college students have tried marijuana, yet many of them seem unaware of the societal and legal implications of its use. Recent legislative proposals have included suggestions that student aid be denied any student arrested on drug possession charges; that all students undergo urinalysis for evidence of marijuana and other drug use; and other measures designed to pressure colleges and universities into enforcing drug laws

ries: "Corruption of Public Officials by the Drug Trade," "Therapeutic Application of Marijuana," "Teenage Drug Use in the Netherlands Less than in America," "Marijuana Legalization Would Increase the G.N.P. by over \$30 Billion," "The Oregon Marijuana Initiative," "**NORML** Lobbies to Prevent Drug Treatment Fund Cutoffs," and "Federal Officials Create Marijuana Scare and Try to Link Marijuana to AIDS."

NORML's key function is to educate the public about marijuana and the issue surrounding its use. We are an invaluable resource to any journalist investigating the drug issue. We provide timely and documented information about marijuana, the laws and litigation regarding its use, and the controversies surrounding governmental efforts to discourage its use and cultivation. Furthermore, **NORML** is a key contact for reporters.

The media knows that if you want expert comment on the marijuana and urinalysis issues, **NORML** is the place to call. **NORML** has a college lecture program through which you can get a spokesperson to come to your school in exchange for expenses and a hono-



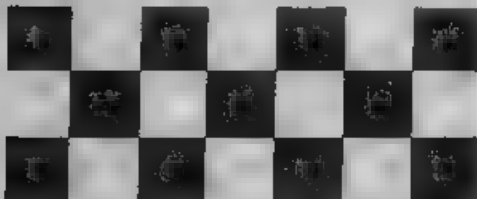
rarium. Whether formal discussion of the issues with an opponent of reform, or an informal lecture, it is vital to bring the debate over drug policy onto your campus.

It is often easier to get projects underway when the activity is shared with others. The formation of a **NORML** chapter can help in this regard. Also, many colleges provide some type of assistance, whether in the form of office space, a college mailing address, or funds, to established college organizations. If you would like to start a **NORML** chapter in your college, just contact me.

There is no reason why social activities can't be fun as well. **V.P.I. & S.U. NORML** in Virginia is fond of holding concert benefits for **NORML** with local bands. Besides successfully raising funds for **NORML** activities, those who attend have a good time to boot. Another popular event with college students is the showing of the film *Reefer Madness*, which has name recognition with students and is both amusing and pertinent to the issues at hand. There is a myriad of ways to hold an event, from the traditional brownie sale in the student union to "casino night" fundraisers. **NORML** is more than happy to assist you.

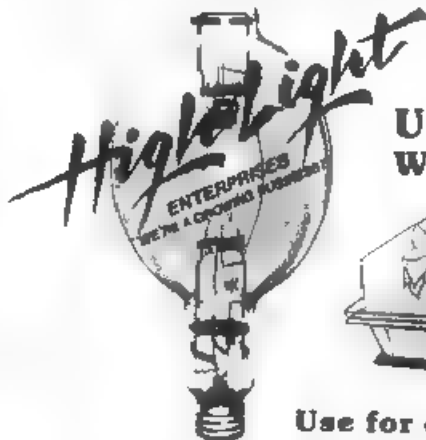
The values and standards of scholarly analysis support **NORML's** policy positions. The arguments for sending people to jail for marijuana offenses do not. We favor debate, our opponents run from a frank, nonemotional exchange of views. We reconcile our positions with reality; our opponents buttress their positions with wishful thinking. The standards of academia are on our side, our opponents claim that the experts are wrong, that quantity of research overwhelms quality of research, and that ideology is more important than reality. The pursuit of knowledge cultivates the virtue of our position because our opponents' position cannot stand up to a rigorous, scholarly analysis.

Furthermore, becoming involved in the debate of the important issues of the day is a noble venture, especially for the young. It is the process that is also admirable, not just the outcome. However, when your opponents' objective is to stifle debate, you win just by instigating the debate in the first place. By attracting people to get involved in our issue you are participating in an ongoing demonstration that our cause is not only just, but noble. By fulfilling your civic responsibility to become involved in issues that affect your community, you demonstrate that the marijuana movement is not a call to indulgence but a call to virtue. This is the moral foundation of our efforts to educate the public about marijuana.



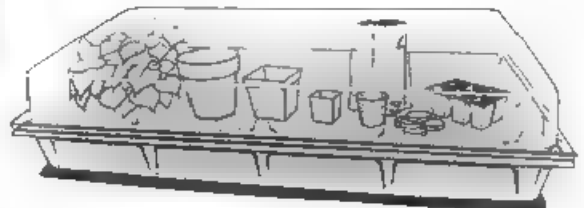
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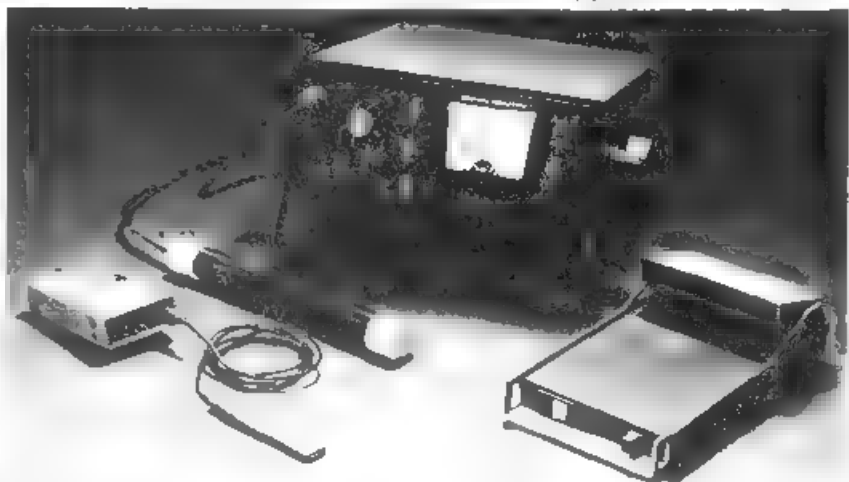
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continued from page 15

as the nation's official sin. During the last six years the propaganda mill has been especially busy churning out scare stories about marijuana to justify the extraordinary lengths to which we've allowed our armed forces (the police and the DEA) to go to eliminate our national enemy. We have been told that marijuana causes AIDS, brain damage, and homosexuality. We laugh—until we see Congress about to exempt drug-enforcement efforts from Fourth Amendment restrictions on unreasonable search and seizure. Fortunately, the DEA failed to get around the Bill of Rights this time, but you can expect them to keep on trying.

One of the trademarks of the national security state is its attempt to manipulate other social forces. In America, the business establishment is told they have to test the urine of their employees in order to discover and punish the drug es, in order to preserve our national productivity. The unions are told that they should give up any rights they have to due process because the public won't tolerate druggies on the job. The media is told that they've been encouraging drug use, and that we need them to toughen up on the issue and set the right example. Our civil rights leaders are told that drugs are the reason their constituents live in poverty and that they can't expect any compassion from society until people in the ghetto learn how to take care of themselves.

We are told by our government that the problems our society has on account of drug abuse will only go away if we resort to repression. We are told it is time to get tough on the user of drugs. Invariably, they mean the marijuana user, our new national scapegoat. And since the majority of marijuana users are content to break the law but not change it, the power of our security state grows and grows.

The US Constitution has kept most of these rascals at the DEA and the Justice Department on a short leash. But they've found a way to run amok in public, whip up a wave of hysteria, and thereby get a longer leash. It's a familiar cycle, most recently evidenced by the preelection hysteria in 1986, and will continue until cooler heads prevail. But what happens when someone finds a way to unleash the security forces? What happens if Senator Biden has his way and a drug czar is given sway over the entire drug-enforcement security apparatus? And what happens when this man (and it will be a man, there is no way they would give a woman this job) uses his immense power and influence to become the protector (and enforcer) of national morality?

For the answers to these questions, stay tuned. And fear not, for this is the United States of America, we do have a marvelous Constitution, and often enough, cooler heads prevail. Including yours, if you'll use it.

All of this brings me back to my starting point, promoting democracy abroad. Up until now my remarks might be interpreted as a warning about the hypocrisy of promoting freedom abroad while giving lessons in repression at home. But right-wing authoritarian sympathizers don't read this column. So I'll skip the argument about how the black market destabilizes the economy and the na-



The DEA thinks it is empowered to make warrantless searches, entrap individuals, smuggle narcotics, seize property, kidnap "suspects," and protect cooperative felons to achieve the national security objective of a drug-free America.



tional security of our allies, and the caveat about how authoritarian regimes evolve into democracies when the juntas make such a mess of things that only the civilians can bail them out.

I maintain that it is hypocritical of the American left to indulge their obsession with foreign liberation movements at the expense of fighting oppression here in the United States.

We will not influence the South Africans to construct a just and democratic society as long as the DEA, by nature of its ongoing example, gives lessons in ignoring a national bill of rights. We will not influence the Pinochet regime to abdicate its power in Chile as long as our Justice Department spends its time trying to deny due process to drug dealers. We will not influence the government of Nicaragua to open itself to dissent when the White House is preoccupied with using the drug issue as a means to stifle election-year debates.

Many of the activists in the marijuana movement have felt neglected by an American left that puts more emphasis on liberation

from national security states abroad than at home. It is easier to recruit support for a cause thousands of miles away, to elicit sympathy and support for the oppressed in the Third World than in our own. The drug issue is the bastard child of the American left. They vaguely acknowledge its relevance, but otherwise disown responsibility for it. After all, who wants to be accused of being soft on drugs?

If you are concerned about liberation abroad you must fight for justice here in America. If you are opposed to US support for the Contras, you must also oppose US support for increasing the police power of the DEA. If you are opposed to apartheid, you must also oppose urine testing in the US which seeks to transform marijuana smokers into second-class, unemployable citizens. If you are opposed to the arms race, then you must be opposed to the use of force to settle disputes of all kinds, especially disputes about social behavior.

Finally, most of the projects undertaken by the left in America in the last ten years have been dismal failures. The ERA is dead. Despite modest sanctions, constructive engagement in South Africa is the policy of our government. The Contras are now receiving \$100 million in US-government aid. The arms race is rapidly entering outer space. Civil rights gains of the '60s and '70s have stalled, and our minority communities are suffering from neglect. Antipoverty programs have been slashed in order to finance an unprecedented arms race. Only when the left ends its self-indulgent refusal to acknowledge the urgency of marijuana reform will it find the public support to further its agenda, and only then if the conservatives don't beat them to it.

By ignoring the drug issue, the American left has allowed itself to be manipulated by the national security state it seeks to diminish. The power brokers of the '80s have successfully thrown the left off balance, with each faction now desperate to maintain its own niche and spotlight. Like the rest of society, they've been told that the drug issue symbolizes the permissive decadence supposedly inherent in leftist politics, and have spent the last ten years in futilely trying to prove them wrong.

It's time all Americans woke up and got their priorities straight. Finish the revolution at home! Secure freedom for all Americans, preserve the right of privacy, the right of conscience, the right to economic self-determination, and our protections against power-gobbling bureaucracies like the DEA. We must show our friends and our enemies around the world that we can make a free society serve the individual needs of the people without the use of force, repression, and a national security ideology. This means it is imperative for every American revolutionary to end the "War on Drugs." ●



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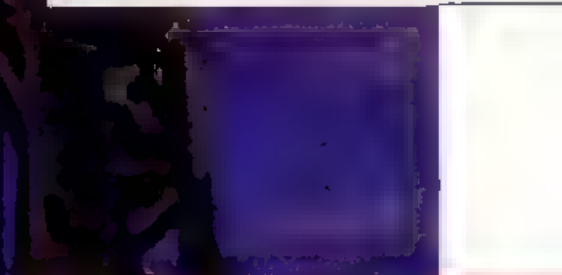
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NOTHING TO HIDE?!



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HANNIBAL IN THE ANDES

The US Army's First Skirmish in the Global War on Drugs

by Dean Latimer

"Operation Blast Furnace" was the State Department's code name for the tidy little antinarcotics maneuver carried out by 170 US Army helicopter-tenders in Bolivia from July to November last year. After interviewing a few of the heroes of this adventure, and checking their true stories against the lies and obfuscations of the civilian government agencies in Washington who did the press-feeding on the operation, Senior Editor DEAN LATIMER emerges with the first genuine account of what fully happened. Or what *didn't* happen, thank God.

Few nowadays can remember as far back as 217 B.C. the year Hannibal crossed the Alps with his army and his elephants, hell-bent on obliterating Rome. It seems doubtful that many people today, even those inside the United States Department of Defense (a.k.a. "The Pentagon") in Washington, can even recall exactly who Hannibal was, or where he was coming from, or how he came to be toiling over the Swiss Alps with a herd of disgruntled elephants, or what happened to him after he reached Rome, and to his elephants too. This amnesia is really regrettable, because the story of Hannibal is told with high drama and rich comedy by several ancient Roman writers, and history is always instructive, even in these zany and unprecedented times. A little attention to the Carthaginian Expedition of 217-203 B.C. might have saved the

TWO OF THE DEA'S CRACK "LEOPARDOS" guard the booty—an abandoned coke-finishing "laboratory" which the Bolivian mafiosi gave up to them, so that Operation Blast Furnace's press flacks would have something to write about for U.S. media consumption. The mafiosi were stingy. They gave up five such token labs, tops, over four months. And not an atom of cocaine!

Pentagon, and thus us swindled taxpayers, a million or six in pretax dollars if it had only been undertaken before the US Army invaded Bolivia last 14 July. The only substantial distinction between Hannibal's adventures in the Alps and the adventures of the US Army's 193rd Infantry Battalion in the Andes was that in this latter-day operation, not a single person was killed.

Hell, only one person even got himself arrested! Or maybe he was really just adopted by the troops, sort of like Dondi.

"Bring Me the Head of Roberto Suarez"

The hottest single encounter in the course of Operation Blast Furnace transpired on 11 October 1986, when the American expeditionary force went up against Roberto Suarez himself, the legendary and much-feared "Cocaine King of the Entire World," in dusty little Santa Ana in northern Bolivia. They were taking on a major chunk of late-20th-century history and legend here. Roberto Suarez for many years has been

fingered by the US Drug Enforcement Administration and State Department as one of history's foremost dope-moving billionaires, ranking right up there in the annals of narcotics crime with General Khun Sar, the Burmese opium warlord, whose illicit narcotics treasury supports—among other (mainly imaginary) monstrosities—his plentiful hareem of kidnapped Caucasian love slaves, high in the jungles above Rangoon.

The legends spun about Roberto Suarez tend to be considerably less romantic and pornographic, since the truth on the record is sufficiently fabulous by itself. The guy really is worth billions of dollars because his family—the aristocratic Suarez clan, who run all of southern Bolivia the same way the Kennedy family runs Hyannisport really did corner the entire Bolivian coca-bush market in the early '80s with a methodical, scientific program of expanded coca agriculture in Santa Cruz Department, their traditional fiefdom. It's no fable that the Suarezes

continued over

WIDE WORLD



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accomplished this with the copious assistance, before 1983, of former Gestapo celebrity Klaus Barbie and his paramilitary *bund* of worshipful young European psychomercenaries, these Nazis did set up the security systems around Suarez's new coca plantations, labs, and bush air-strips, and they taught Roberto's personal army of dope-trade enforcers all the classic *Schutzstaffel* techniques of high-tech interrogation, kidnapping, hostage negotiation, crowd control, and the treasured doctrines of Aryan race supremacy. This is all on record, it really happened, and it's so authentically historical that most people in North America have already forgotten all about it.

It was Roberto also who—in his office as the Suarez family's designated Black Sheep, attending to those less savory necessities of doing extended-family business as usual in Latin America—ambitiously set up all those damned coke-finishing labs, thus inciting Uncle Sam to invade the country. There were exactly 36 fully-equipped cocaine-finishing labs in the Beni region of northern Bolivia under Roberto's control, all spewing out unprecedented volumes of sparkling white hydrochloride toot, on the day the US invaded Bolivia last July, according to the State Department's Bureau of International Narcotics Matters. State's INM flacks also spoke darkly of all the elaborate anti-aircraft devices, the deadly Russian and Israeli and Vietnam-War surplus ordnance Roberto had bought on the international black market to protect his labs, to any reporter who would agree not to put their names in print.

Of course, the deep-background data on the anti-aircraft gear were all lies, and so were most of those coke-finishing labs that Roberto Suarez had supposedly set up in the Beni. The invasion was on the 14th of July, and between then and the climactic siege of Santa Ana on 11 October, the INM flacks for Operation Blast Furnace were able to account for exactly five coke-finishing labs dismantled and destroyed. Three of these "labs" may have been really only *kitchinas* from their descriptions: basically, plastic-lined holes in the ground filled with kerosene in which barefoot peasants foot-stomp coca leaves into vile-smelling intermediate freebase *pasta*, or *pichicata* (literally, "the piss"). *Kitchinas* are not coke-finishing labs, not by a long shot, but things rarely are exactly what they seem in "the international underworld of the drug-smuggling universe," as *Norteamericano* journalists love to call it.

It is in this enchanted world, far back in the desolate savannah of the Beni region up near the uncharted Brazilian border, that the homely little town of Santa Ana sits, with 5,600 Catholic souls

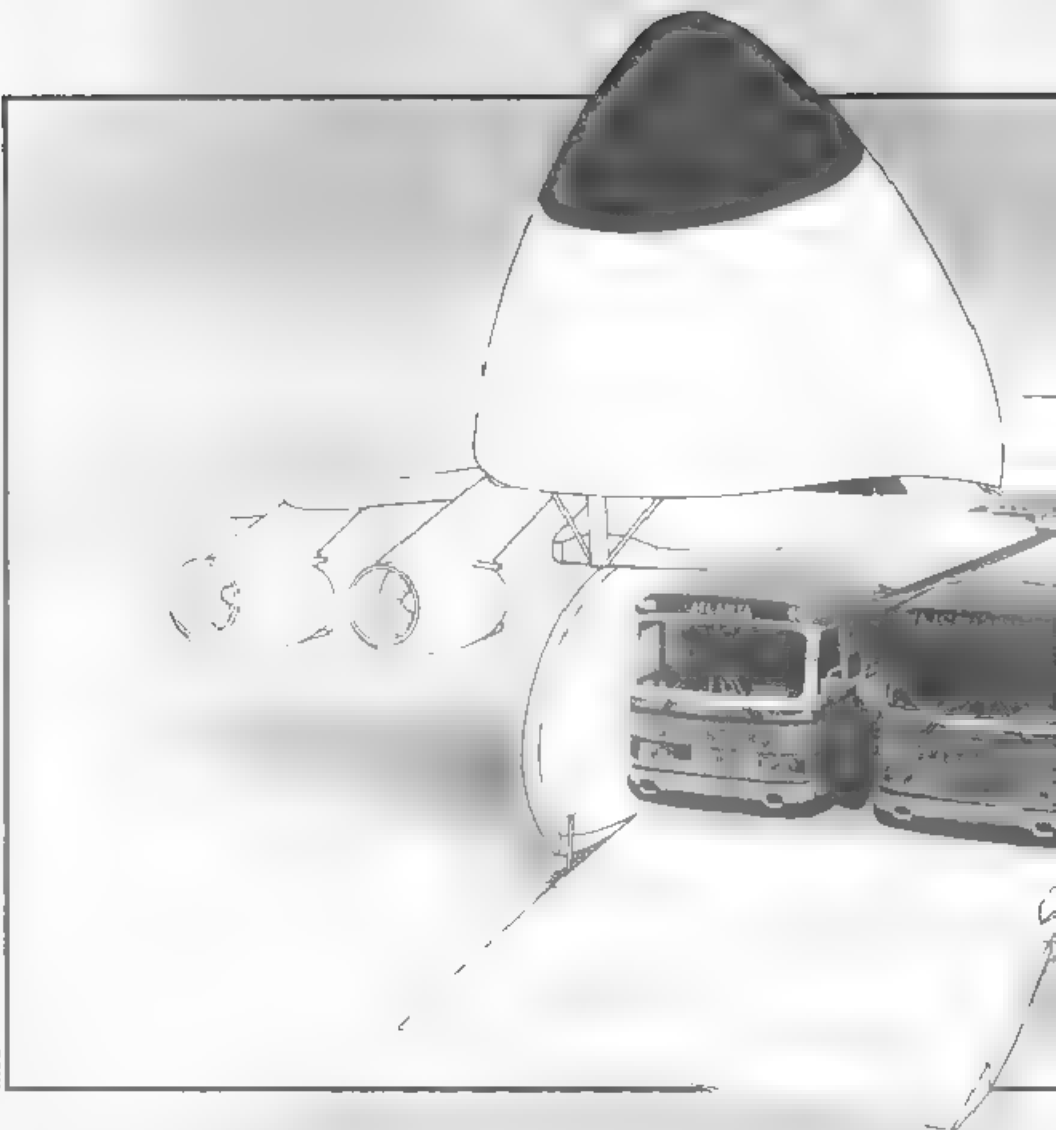
abiding in their Spanish colonial cottages around the prettily-statted *plaza mayor*. Among them on that bleak day in the late Andean winter, on 11 October 1986, was this arch-fiend of the civilized world, Roberto Suarez, the Cocaine King. Supposedly. With the "darkly handsome" Roberto (as *Time* magazine has styled this corpulent, unevenly-balding, 56-year-old thug) was supposedly one Oscar Roca, another legendary narcotics black-guard who may be a billionaire Colombian *narcotraficante*, or a DEA or CIA or INM or NSC spook, or just the brother-in-law of the *real* Oscar Roca, if there is a real one. Anyway, these two international reprobates were physically present in Santa Ana on that awful day, according to the best intelligence available to the US Department of State.

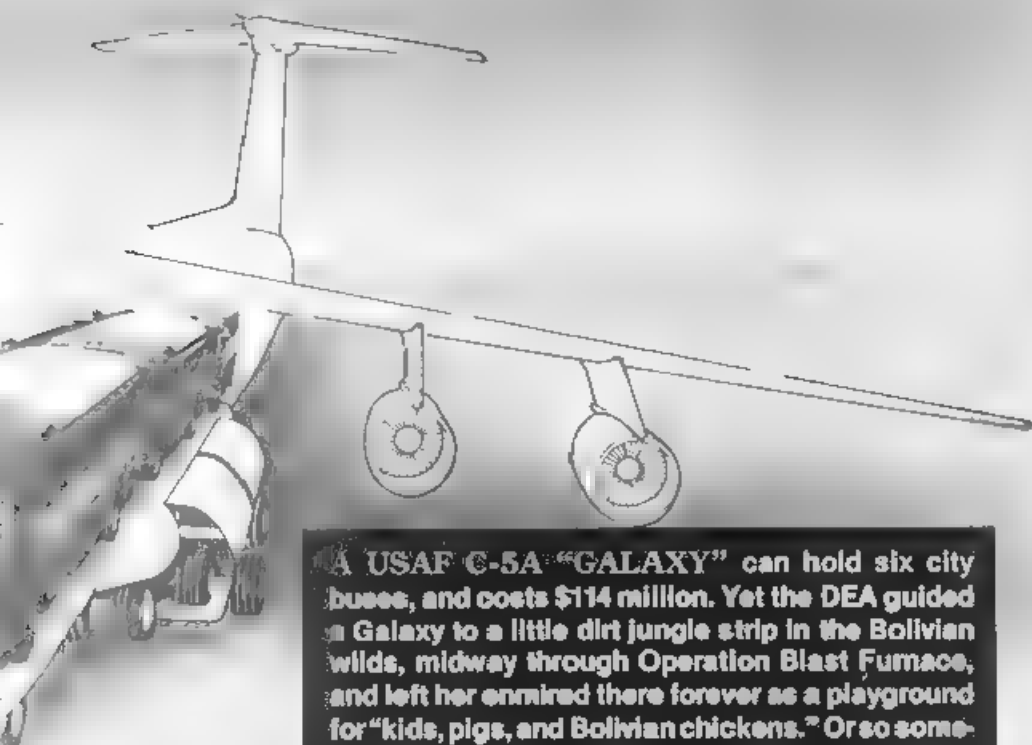
Early that day, therefore, a flotilla of supernaturally gorgeous warcraft—six of the US Army's sleek, jet-powered Blackhawk helicopters—prowled down out of the clouds to alight on the concrete municipal airstrip a half-mile out of Santa Ana proper. They disgorged a phalanx of 80 brightly-camouflaged commandos—*Los Leopardos*, the crack US-trained battalion of incorruptible Bolivian anti-narcotics troops—and about 30 DEA narcs, clad in every

motley getup from full Marine combat gear to cloak-and-dagger London Fog spy fig. The troops of the 193rd Infantry Brigade, the helicopters' pilots and mechanics, stayed inside the aircraft— forbidden by order to set foot outside them—while the Leopards and the spooks commandeered a capacious Bolivian armored personnel carrier that happened providentially to be sitting on the airport runway, and loaded themselves and their guns, communications gear, and medical supplies aboard.

This all took so long, with all the attendant noisy commotion, that by the time the carrier was fairly underway to Santa Ana, all the church bells in town were clamoring madly, the traditional call to arms against any calamity threatening the whole community. Everybody in Bolivia knows about *Los Leopardos*, that machinegunning mob of slate-faced young automatons, systematically reflex-conditioned to commit every possible kilowatt of havoc and brutality in the course of their antinarcotics activities. Though of course no *Norteamericano* can remember back that far, everyone in Bolivia acutely remembers the day in 1983 when *Los Leopardos* broke out of their training

WIDE WORLD





A USAF C-5A "GALAXY" can hold six city buses, and costs \$114 million. Yet the DEA guided a Galaxy to a little dirt jungle strip in the Bolivian wilds, midway through Operation Blast Furnace, and left her enmired there forever as a playground for "kids, pigs, and Bolivian chickens." Or so someone convinced a famous Australian "Investigative Journalist" in Washington who does not—repeat not—use brain-damaging drugs. See page (66).

kennel in La Paz and kidnapped the erstwhile Bolivian president—78-year-old Hernan Siles Zuazo—in the interests of several ultraconservative industrialists (like Roberto Suarez) who despised Siles because he'd been elected by ballot, a subversive and effeminate political tradition. The Drug Enforcement Administration's pet Leopards had broken the old man's ribcage in the course of 36 hours of tense hostage negotiations with the United States ambassador, Edwin Corr, who finally sprung him. Everyone in Bolivia vividly recalls all that, and so the church bells were pealing again as Operation Blast Furnace pulled into Santa Ana that morning last October.

The 80 Leopards aboard that carrier had to have some special memories of their own, assuming they hadn't been brutalized into irreversible amnesia by their *Norteamericano* handlers. Just one year previously, in this very same late-winter month, 'way down south among Roberto Suarez' coca plantations in Santa Cruz, all these crack young goose-steppers had been surrounded and held hostage themselves for nearly two weeks by thousands of eerie Indian *campesinos*, sphinx-faced Andean types with their derby hats and quilted Inca ponchos,

guarding them silently with machetes and hunting rifles while they worked their *cocada* cuds endlessly in their cheeks. Then one day the Indians just let them go away.

But the Beni is a whole different part of the world from the past-haunted jungle mountain valleys of the *chepare* down south. The Beni *yungas* is Spanish, for the most part, of comparatively recent European descent, which is why Roberto Suarez and such prefer to live up there, far from the degenerate Indians of Santa Cruz and the class-mixing, Jew-influenced cosmopolitans of La Paz. As far as *Los Leopardos* knew, however, on the morning they pulled into Santa Ana, Roberto Suarez *really* only lives up there because the Beni savannah is ideal for bush strips and clandestine coke-finishing labs: this was the best intelligence available to Operation Blast Furnace.

Maybe the Blast Furnace strategists had also figured the good middle-class burghers of Santa Ana would be a more tractable crowd to control than those Indians down in the *chepare*, because they don't chew coca or think in Quechua or something. Who can plumb the complexities of the modern military mind? In any event, that personnel

carrier never even made it to the *plaza mayor* in Santa Ana before they were surrounded by all 5,600 souls in the town, who shook their fists in the air and rolled their eyes ferociously and stadium-chanted such unpleasant slogans as "Yankee go home!" and "Leave us alone!" and "Kill them all!

Immediately!"

Some of them even had guns. Lordy, somebody might get *shot*!

Operation Blast Furnace wasn't even deft enough to pull a successful retreat, though. It all wound up with those 80 Bolivian Leopards and their DEA handlers impossibly trapped inside the stalled personnel carrier on the outskirts of town, with all those good Catholic townsfolk screaming for their blood and bones and eyeballs and innards, for *hours*, while those six beautiful Blackhawk helicopters sat on the concrete strip over yonder, with all those US Army soldiers aboard them, faithfully obeying their US Army orders to stay put and do nothing, no matter *what* trouble those DEA assholes might get themselves into.

Finally, the mayor of Santa Ana walked up to the carrier, induced the population to simmer down a bit, and commenced negotiations with the DEA spooks. He ultimately agreed to let them go home with their team of human Doberman pinschers, after they'd promised absolutely and forever to *never* come back to Santa Ana again. And eventually those six Blackhawk helicopters rose up to pester the clouds again, and Roberto Suarez vanished again—probably for good this time—into history and legend along with the pet leopard he keeps always at his heels, cringing.

Roberto Suarez, according to knowledgeable government sources (and we all know *what their word is worth*) is no longer in the international dope dodge. The current word out of the US Government's narcotics "control" apparatus is that Operation Blast Furnace, just as they dismantled and destroyed at least two of Roberto's coke-finishing labs, also managed to demolish his reputation and *machismo* among the criminal fraternity of Latin America. "Roberto's been replaced by one of his lieutenants," they're saying smugly now at the State Department, as though they'd had a personal hand in this amazing turn of events.

Most likely, though, Roberto Suarez has simply turned over the family's criminal business to one of his many sons or nephews. (Roberto has one son-in-law in US federal prison for coke right now, but that's *another* labyrinthine Roberto Suarez story.) Since Roberto is most assuredly alive somewhere, in Bolivia or

continued over

ANDES

continued from previous page

Taiwan or South Africa or wherever, there's no way he's abandoned the dope dodge except of his own volition. And the successful executive grandees of prominent South American *haciendado* families traditionally do retire in their mid-50s, after all.

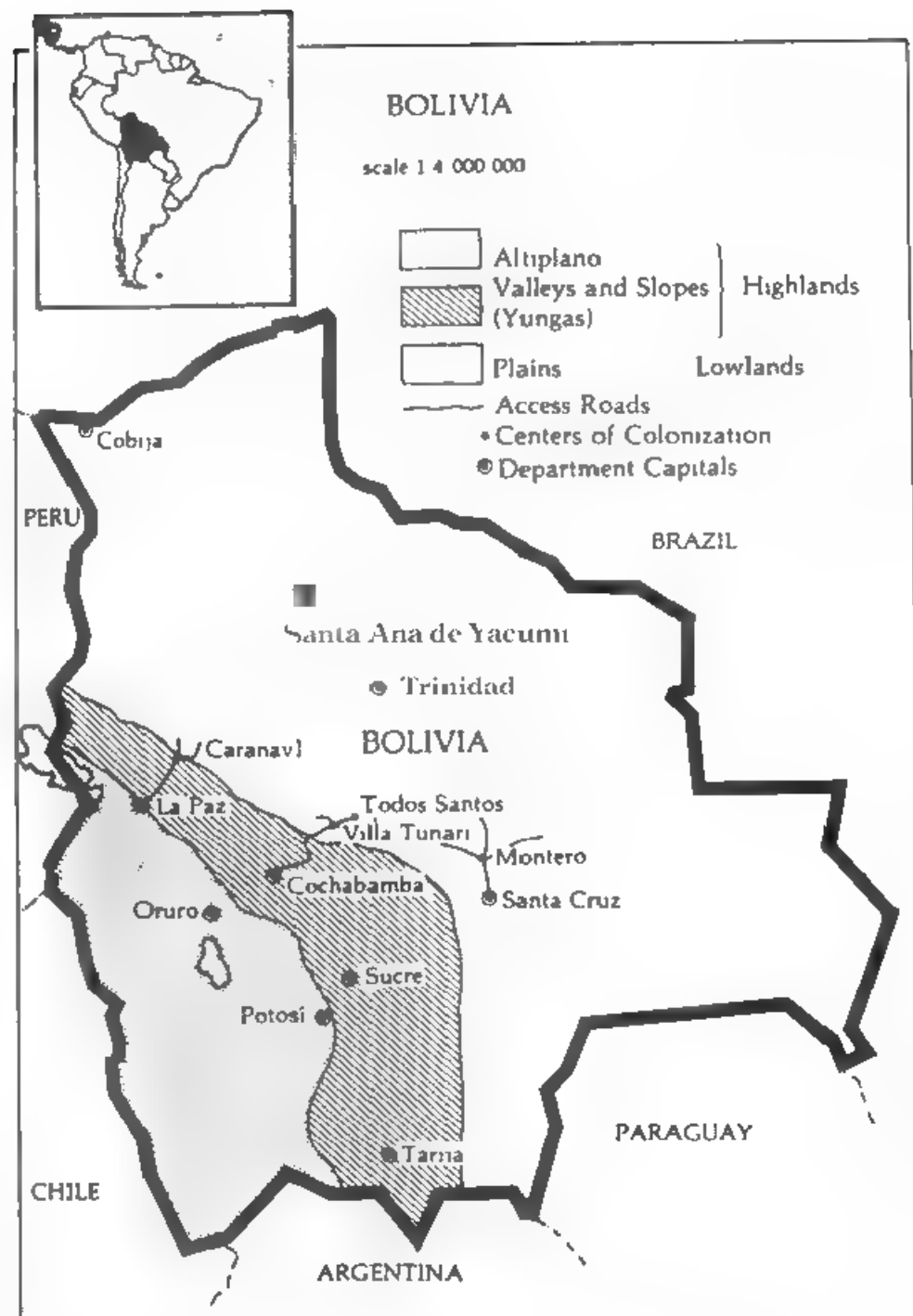
By the time you read this, the DEA and the State Department will surely be trumpeting the superannuation of Roberto Suarez as the prime historic achievement of Operation Blast Furnace. You should watch and see what the US Army will be saying about it, however.

They'll Be Home by Navidad

“We're batting around .250,” a colonel in the US Southern Army

Command told reporters, with manifest satisfaction, in late July when Operation Blast Furnace was just a few weeks along. It was right around the All-Star baseball break when reporters began asking how Our Boys were doing, and exactly what they were doing, anyhow 'way down there in South America. They were bivouacked safely on the tarmac in the airport in Trinidad, the largest town in the Beni, the Pentagon assured everyone. They were forbidden to leave their sandbag emplacements—not even to drop into town for some *cerveza* and a little tail, the poor grunts—but they were secure. When they flew the Leopards around on lab-stomping expeditions, they were strictly forbidden to exit from their helicopters under any circumstances, which was probably a good thing, this colonel suggested, because of every four *finca* ranches raided by the Leopards, three would come up squeaky-clean every time, no narcotics anywhere—after the Leopards had worked these places over really good, of course. “So we're batting about .250,” this colonel wisecracked right around the All-Star break. “That's not too bad, considering the quality of the intelligence this operation has to depend on.”

It was the DEA, mainly, in charge of the “intelligence” for Operation Blast Furnace. The quality of their brains was sweetly illustrated a few days after the much-ballyhooed landing of Blast Furnace's gargantuan C-5A Galaxy transport plane at the Santa Cruz city airport on 14 July. Five days later, the *Los Angeles Times* admitted they'd learned as early as 11 July, from “South American sources,” that Bolivia was due to be invaded on the 15th. When they heard that, NBC News proudly declared that they'd heard about it on 12 July, and had the dated videotape of their source




to prove it. Not to be outdone, Michael Getter of the *Washington Post* bragged that he'd heard about it on 10 July, and so there!

None of these professional journalists had been unpatriotic enough to blow Operation Blast Furnace before it got started. Therefore, even though everyone in South America was obviously expecting them, Uncle Sam sent forth 170 soldiers of the Southern Army Command from the security of the Panama Canal Zone on a “surprise invasion” of a country where Roberto Suarez was supposed to be waiting for them with SAM missiles! The professional journalists of Tass and Pravda have a

long ways to go before they can match their *Norteamericano* counterparts for patriotic self-censorship.

The strategic mission of Operation Blast Furnace was completed within three weeks of the day that stupendous C-5A impressed the entire population of Santa Cruz. “My government considers this operation a success,” the Bolivian ambassador to Washington was saying happily on 30 July. On 5 August, ABC's well-informed Peter Jennings announced that US troops “may be used again, as they were in Bolivia,” if coca production ever gets out of hand anywhere else in South America. All those Bolivian coke

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INSIDE CANNABIS CASTLE!!!

THE INCREDIBLE STORY OF THE
MAN WHO WOULD BE
KING OF CANNABIS

BY STEVEN HAGER

PHOTOGRAPHS BY JEFF VAUGHN

T

he first time I saw the
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library of the
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THE KING





EARLY SKUNK (F1 x EXPR11)

The Skunk 1 and Afghan 1 have both proven their value as good parents for hybridization. This hybrid is heavily dominated by the Afghani's producing particularly resinous buds. Possibly a true breed will occur when this hybrid is backcrossed to Skunk 1. Nevertheless, this hybrid is extremely strong.

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AFGHAN (MAZAR (SHARIF))

Of S. Northern Latitude. This is without a doubt one of the world's best. The leaves are very thin and heavily serrated. The buds are very resinous and the plant is very strong. It is a true breed and will occur when this hybrid is backcrossed to Skunk 1. Nevertheless, this hybrid is extremely strong.

Yield is about one kilo per plant in good conditions.

CALIFORNIA ORANGE

A popular variety from northern California & previous California. The leaves are very thin and heavily serrated. The buds are very resinous and the plant is very strong. It is a true breed and will occur when this hybrid is backcrossed to Skunk 1. Nevertheless, this hybrid is extremely strong.

Harvest mid Sept. in California.

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INDISAT

The leaves are very thin and heavily serrated. The buds are very resinous and the plant is very strong. It is a true breed and will occur when this hybrid is backcrossed to Skunk 1. Nevertheless, this hybrid is extremely strong.

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SOUTH AFRICAN O.P. 34

A pure strain with a sweet, liquorice taste and an up high. Similar in many respects to Thai. Inbred for 5 generations in California. The variety is an open for its outstanding qualities with indica's, increasing the yield.

Price \$ 50.00 for 10

As is often the case with S. African, the occasional hermaphrodite will be found in this strain.

Yield 500 gr. to 2 lbs.

Harvest in California Sept. 1

Price \$ 50.00 for 10

EARLY PEARL

The leaves are very thin and heavily serrated. The buds are very resinous and the plant is very strong. It is a true breed and will occur when this hybrid is backcrossed to Skunk 1. Nevertheless, this hybrid is extremely strong.

Yield 500 gr. to 2 lbs.

Good power to high ratio.

Good spicy taste and

Price \$ 50.00 for 10

CANABIS INDICA "NORTHERN LIGHTS"

These indoor strains have been developed in the Pacific North West. The leaves are very thin and heavily serrated. The buds are very resinous and the plant is very strong. It is a true breed and will occur when this hybrid is backcrossed to Skunk 1. Nevertheless, this hybrid is extremely strong.

Price \$ 50.00 for 10

NORTHERN LIGHTS 1 x SKUNK 1 F1 HYBRID

Here we have two of the world's leading strains that have come together. The leaves are very thin and heavily serrated. The buds are very resinous and the plant is very strong. It is a true breed and will occur when this hybrid is backcrossed to Skunk 1. Nevertheless, this hybrid is extremely strong.

Price \$ 60.00 for 10

NORTHERN LIGHTS x AFGHAN 1 F1 HYBRID

The leaves are very thin and heavily serrated. The buds are very resinous and the plant is very strong. It is a true breed and will occur when this hybrid is backcrossed to Skunk 1. Nevertheless, this hybrid is extremely strong.

Price \$ 45.00 for 10

EARLY GURL

A very popular indica sativa hybrid from N. California developed by the "Sacred Seed Co." The leaves are very thin and heavily serrated. The buds are very resinous and the plant is very strong. It is a true breed and will occur when this hybrid is backcrossed to Skunk 1. Nevertheless, this hybrid is extremely strong.

NEPALESE

This wild sativa variety is used to make some of the world's finest hash. Unfortunately very little sativa is grown in Nepal, but even the seeded buds were very powerful. Stimula is often applied to the plants in the belief that the resulting crop will be more potent. The plant is very strong and will occur when this hybrid is backcrossed to Skunk 1. Nevertheless, this hybrid is extremely strong.

Price \$ 40.00 for 10

SKUNK NO. 1

Originally developed by the "Sacred Seed Co." It is certainly one of the most sought after strains in the world. Winner of several harvest festivals. An exceptionally sweet true breeding indica hybrid. The leaves are very thin and heavily serrated. The buds are very resinous and the plant is very strong. It is a true breed and will occur when this hybrid is backcrossed to Skunk 1. Nevertheless, this hybrid is extremely strong.

Price \$ 40.00 for 10

Harvest Oct. 1 (San Francisco bay area). Yield averages 2 lbs. but up to 5 lbs. per plant and dried hash.

AFGHANI NO. 1

Also descended from "Sacred Seed" stock and is a pure Afghani strain, selectively inbred for 6 years to produce a squat round plant with thick, heavy, dense buds. A very consistent variety (less than 5% hermaphrodites) and a percentage will turn purple if cold induced.

Price \$ 50.00 for 10

RUDERALIS

Found at the Russian / Hungarian border, growing in poor sandy soils. The leaves were thin and heavily serrated. The effect after smoking was stoney, but not high. An ideal strain for hybridization. The leaves are very thin and heavily serrated. The buds are very resinous and the plant is very strong. It is a true breed and will occur when this hybrid is backcrossed to Skunk 1. Nevertheless, this hybrid is extremely strong.

Price \$ 65.00 for 10

THE IMPORTANCE OF SEEDS

It is Thursday, November 6, 1986, and Nevil has just returned from his daily pilgrimage to a nearby post office. It is raining lightly and a cold breeze blows off the Rhine River. Although the sun made a brief appearance early in the day, it has since been obliterated by massive, billowing clouds.

As Nevil enters his house, he is assaulted by his watchdog, Elka. He climbs the stairs to his living room, flops on an old couch, and starts opening his mail. "Breeding is a matter of bending nature to your will," he says while drawing a toke on a joint of Skunk # 1. "There's not a coffee shop in Holland that can produce better weed than this. But I don't sell it. I give it away—or I throw it away."

In a few short years, Nevil has made an incredible transformation from penniless junkie to wealthy entrepreneur. Although he's an effective and efficient businessman, marijuana is his business, so things are run a bit differently around here than at most companies. For example, resinous buds of exotic types of cannabis are strewn haphazardly about the room, as are large chunks of hash and bags filled with seeds.

Nevil is a displaced Australian of Dutch heritage, and has a quiet, understated sense of humor. He lives in relative seclusion on his estate, breeding marijuana, playing pool, watching video, waiting patiently for his many cannabis experiments to bear fruit. He has his doubts about the future of the marijuana business in the Netherlands, but these doubts are likely to disappear in a whiff of smoke whenever he samples a new, successful hybrid.

"In the beginning I was quite keen for people to come here and

visit me, but I found it takes large amounts of my time," he says. "I have to sit around and smoke with them. Now it has to be someone worthwhile, someone who has a large project in mind. Most American growers are looking for the same thing: strong, overpowering, two-toke *indica* with huge yields. My number one seller is Northern Lights."



Last year Nevil supplied \$500,000 worth of seeds to 15,000 American growers.

After the mail has been sorted and delivered to the in-house accountant, Nevil visits the basement to inspect his prize plants. The doors to four grow rooms are wide open, disclosing the blinding glare of dozens of sodium and halide lights. Powerful exhaust fans circulate the air, and the smell of cannabis is overpowering. Three of the rooms are devoted to young seedlings, while the largest contains 40 flowering females in their spectacular resinous glory.

It's no secret that an explosion of indoor marijuana propagation has taken place in America: grow stores are sprouting across the nation and sodium and halide lights are selling faster than Christmas trees in December. The reason for this sudden interest in indoor growing is no secret either:

for the past two years high-quality marijuana has been nearly impossible to find—unless, of course, one personally knows a grower. But any pot farmer will tell you good equipment does not guarantee a good harvest. The most important element, in fact, is good seeds. And until recently, good seeds have been as rare as a \$15 lid of Colombian gold.

Thanks to Nevil, however, this sad situation has changed. Every day letters pour into his post office box, letters containing American dollars wrapped in carbon paper to avoid detection. The money is for seeds. Not ordinary pot seeds, but the best, most potent seeds on the market, seeds that will grow gargantuan buds dripping with resin, seeds that cost between \$2 and \$5 each.

Nevil's seed factory has been in business for three years and is perfectly legal. The Dutch government views Nevil as a legitimate, tax-paying businessman. Seed merchants are held in esteem in Holland, and even though Nevil is something of a small fry by seed merchant standards, he is a protected national asset nonetheless. Last year his company supplied \$500,000 worth of seeds to 15,000 American growers. If you smoked high-quality marijuana sometime in the last three years, chances are good the buds were grown with Nevil's stock.

There is a big difference between growing marijuana and breeding for quality. The best-known example of the long-term effects of breeding are the *cannabis indica* plants that arrived in the United States in the '70s. For hundreds of years *indica* plants were bred by Afghani farmers for disease resistance, early flowering, large buds, and wide leaves. The strain was developed for hash production, but it was also useful for American growers who had difficulty with *sativa* strains, most of which require longer growing cycles.

Ever since *indica* arrived in this country, breeders have been creating hybrids that take advantage of *indica*'s hardiness and *sativa*'s clear, bell-like high. The results of these experiments first appeared at secret harvest festivals in California, Oregon, and Washington. Then, in the early '80s, a legendary underground organization called the Sacred Seed Company began distributing these remarkable hybrids. Nevil's company, The Seed Bank, sells many strains originally developed by the Sacred Seed Company, including the famed Skunk #1, Early Girl, and California Orange. In the past three years, however, some of the most mindblowing strains have come out of the Pacific Northwest area. Northern Lights, University, Big Bud, and Hash Plant are adequate proof that Seattle and Portland now hold the breeding crown. Needless to say, Nevil's Seed Bank has obtained

cuttings and seeds of all these varieties and will soon be offering them for sale.

Who is Nevil and how did he come to found this amazing company? As usual, the truth is wilder than anything HIGH TIMES could invent.

THE MAKING OF A SEED MERCHANT

The man who would be King of Cannabis is the son of Dutch migrants who settled in Perth, Australia, in 1954. His father worked as an instructor for telephone technicians, while his mother became a counselor for unwed mothers. They were adventurous, hardworking Catholics, and they

raised their six children strictly, sending them to Catholic schools.

"I wasn't the most malleable child," admits Nevil. "From an early age I had an aversion to authority. I was the first-born, and I saw myself as a sort of pathbreaker for the rest of the children."

Despite his rebellious nature, Nevil was intelligent enough to jump two years ahead of his peers, a leap that resulted in his being the smallest in class. "I got beat up a lot," he admits. "A typical day would start with the teacher calling me up in front of the class to smell my breath. 'Yep,' she'd say, 'You've been smoking.' And I'd get six of the best straight away. And that was just to start the day! Usually a thing like that would put me into a bad mood, so the rest of the day wasn't much good either. It worked out I got the strap 900 times in one year, the school record."

SKUNK #1

First known available around 1980. The Dom Perignon of domestic marijuana and one of my personal favorites. Very clean, cerebral high. Early on, the bud has the aroma of fine perfume. Pick it late and it smells like skunk. Good a.m. smoke.

AFGHANI #1

Narcotic. Paralyzing. Heart pounding. There's nothing nice about this high. Just pure, physical strength. Nothing in the head, only a body high. Not one of the Connoisseur's favorites.

EARLY PEARL

The F1 hybrid is without a doubt some of the finest marijuana ever to have crossed this Connoisseur's lips. Let it ripen until the resin glands turn amber and it will produce fruity, sweet-tasting pot, with a wonderful, stony high. I wish I had pounds of it around all the time.



MAZARI SHARIF

Very good, vigorous, pure Afghani *indica* plant. The buds are a little on the small side. While it can be smoked as marijuana, it is better put through a silkscreen (see last month's D.C. column) and turned into hash.

NORTHERN LIGHTS

State-of-the-art indoor *indica*. Originating out of the Pacific Northwest, it is the result of many years of indoor breeding—three to four crops per year for a total of perhaps thirty to forty generations in the last ten years. The picture in Nevil's catalogue is a cutting of my personal favorite, C1 #5 F1. Unfortunately, no seeds are available of the strain, only cuttings. If anyone can come up with anything more resinous than this, I'd

like to see it. Does not have much taste. The breeder had a very specific goal in mind: high resin content. He certainly succeeded. The grass is a mellow *indica* that gets you pleasantly stoned—almost the opposite of Afghani #1. Although there are tastier varieties, I could smoke this one all day.

NL 5 x 8

Very good, strong *indica* with just a little *sativa*. Worth growing indoors for cash crop or your own head. Will take an extra week or two, but well worth waiting for. Within a few hits you will be nicely stoned and will find it hard to believe this plant was grown under HPS lamps. The high is strong, not as cerebral as #5, but a good smoke for the late night.

CALIFORNIA ORANGE

Very pleasant, sweet-tasting. Some buds have a truly citrus smell and taste. Very nice *indica-sativa* hybrid. The *sativa* comes on first, you feel lightweight and spacey, and then ten minutes later you feel the *indica* come creeping up and ... "oh shit, I'm getting more stoned than I thought."

INDISAT

Bred and developed in upstate New York. Does extremely well outdoors. Plant looks *sativa* but the buds come out *indica*. The high is a bit more *sativa*-like than California Orange, more cerebral.

NEPALESE

Overpowering *sativa* high. It's too heavy, really, but some people want it. Grows to more than 20 feet and will not mature until the end of October.

Any questions, queries, comments? Feel free to write the Connoisseur, D.C., c/o HIGH TIMES, 211 East 43rd St., New York, NY 10017.

Nevil was not your typical juvenile delinquent. At age seven, he began raising parakeets; two years later he joined the Parakeet Society of Western Australia. "My best friend across the road got some parakeets," he explains, "and I got extremely jealous. After he started breeding I became quite adamant I'd do the same."

He eventually became friends with one of Australia's leading parakeet breeders, Bob Graham. "I learned an awful lot from him," he says. "He was a quadriplegic and he was incredibly intelligent." Nevil learned Mendel's laws of breeding and began charting dominant, recessive, and intermediate traits for his birds (something he would later do with cannabis plants). "I bought some of Graham's stock and got immediate results," he says. "When you breed parakeets, you breed to an ideal. It's like sculpting with genes."

When he was 15, Nevil was sent to a state school and forced to repeat his third year of high school. Consequently, he caught up with his classmates in size. "I got into a few fights," he says with a smile, "just to get back for all the times I'd been beaten up."

Although discipline at the school was considered harsh, it proved a cakewalk after Catholic school. "The first time I was brought before the headmaster to be punished, he made me hold out my hand and he tapped it twice with a cane," recalls Nevil. "I thought he was just aiming. I closed my eyes and waited for the real pain, but it never came. I was quite shocked. I thought, 'Well, now I can do anything I want.' I ignored the dress code and dressed how I pleased. That didn't go over well and I managed to get kicked out within three months."

He also discovered marijuana

NEVIL'S FIRST HIGH

"I had an American friend who suggested we buy some," he says. "I

SEEDS BY SSSC

Besides Nevil's Seed Bank, there's at least one other major source for pot seeds in Holland: The Super Sativa Seed Club (SSSC), an organization formed in 1984 by two Dutch nationals. SSSC recently published their first seed catalog which lists over 30 varieties of cannabis seeds. It is also packed with growing information on every aspect of marijuana cultivation.

SSSC's emphasis on high-tech indoor growing makes the catalog a must for serious growers. In Holland, plants are studied scientifically. So SSSC's catalog discusses—in understandable terms—the basics of plant growth: the relationships between photosynthesis, respiration, and the production of sugars. "We are concerned with improving growth, even if we only improve just 1% at a time," write the authors. Other sections include "The Making of Cuttings," a complete description of proven techniques for successful cutting; "The Plantlet Method," which tells how to grow several crops a year with ease (see "Grow American," February, 1987 HIGH TIMES); and a section on Rockwool and nutrients.

—Jorge Cervantes

remember thinking, 'Okay, I'm not scared.' We both pretended we'd done it before, when in fact, neither of us had. After scoring from someone at school, we went back to a shed outside his house. I volunteered to roll joints, even though I'd never done it before. There were three of us and I rolled three joints, one for each of us, hahaha. It seemed logical at the time, still does, actually, even though it was more normal to pass joints. But we didn't know any better. It was Indonesian weed and we got extremely ripped. I really liked the sense of time distortion—everything happened so slowly."

There was plenty of high-quality reefer going around Australia, and to insure a steady supply for himself, Nevil made the jump from smoker to dealer in a matter of weeks. Meanwhile, to satisfy his parents, he found a legitimate job.

"As long as I couldn't be the pope, my mother wanted me to be a doctor or a veterinarian," he says. "My father didn't see this as a possibility and just wanted me to get a job. Fortunately, I was offered work as a lab assistant at a local university, which was semi-

professional, eh? And I was working, so they were both satisfied."

Nevil did well at the position. So well, in fact, that he was made acting head of the anatomy lab with responsibility for the operating room, animal room, and office. He was given the only set of keys to the drug cabinet and placed in charge of ordering drugs when supplies ran low. For someone interested in sampling illicit chemicals, it seemed like the perfect job.

"Having heard horror stories about cannabis and how horrible it was for you, I decided everyone in authority lied about drugs," says Nevil. "I knew cannabis wasn't harmful. I concluded the harmful effects of other drugs must be exaggerated as well. I started with barbituates. I knew many people used them for sleeping tablets. Eventually, I tried morphine. I was quite good at giving injections. There's something very professional and doctorlike about giving yourself an injection. I had to inject rabbits and mice all the time, and if you can hit a vein in a rabbit's ear, you can get any human vein. I veined the first time I tried. Morphine made me feel good. I had friends who were already addicted to heroin and they encouraged me. Soon, I had a bag filled with tablets, pills, and chemicals of all sorts from the lab." Unfortunately for Nevil, this situation was not destined to last. Within a few months, he was arrested for drug possession. And it didn't take long for the police to figure out where the drugs had come from.

The head of the anatomy department suggested Nevil be sent to a treatment center. His parents agreed and had their son committed to a university psychiatric ward for six weeks. "I wasn't addicted at the time," says Nevil. "I used far too large a variety of ingestibles to become addicted to any one thing. After I was released I had the option of working part-time at the

University—to build up my position again. But, uh, I felt the stigma of being a known user. It was a bit unbearable. So I left and started hanging around with people who supplied smack. Even though I started shooting smack, I never sold it. I just sold weed.”

One day Nevil woke up with a terrific backache. His hips and the base of his spine hurt terribly. He went to a doctor and was given some pain pills, which proved useless. The doctor couldn’t find anything wrong. Nevil went home and the pain still wouldn’t go away. “Then I realized, ‘Shit, I’m addicted,’” he says. “It was quite a substantial shock even though I knew it had to come eventually.” He enrolled in a methadone program, which proved to be an extremely dehumanizing experience. “They made me beg for drugs,” he says. “I didn’t like that. I was scoring weed in Melbourne and shipping it back in huge speakers, telling people I was in a band. I was making what seemed like a huge sum of money—\$5,000 a week.”

Unfortunately, Nevil gave a free sample to a girl who was later arrested by the police. The girl identified Nevil as her supplier and a long court case ensued, one that eventually reached the Australian version of the Supreme Court. Throughout the trial, Nevil was enrolled in a methadone program and under psychiatric supervision. “I got the feeling things were coming to a head,” he says. “My drug problem seemed quite insurmountable and the case didn’t look promising. So I flew to Thailand.”

ESCAPE TO BANGKOK

For several weeks Nevil lived in a cheap hotel in Bangkok, shooting heroin until his money ran out. He skipped out on the bill, moved to another hotel, and began hawking his valuables to raise money. “I found a taxi

driver who would take me to exclusive shops in the city,” he says. “The driver would get a kickback from the store for delivering Europeans to the shop, whether they bought anything or not. After we left, the driver and I would split the kickback.”

However, after they’d visited every shop in Bangkok (and were no longer welcome at any of them), Nevil telephoned his parents and asked for a plane ticket home. Unfortunately, the police had already appeared at his house with a warrant for his arrest. “It didn’t seem prudent to return to Australia,” says Nevil with typical understatement. His parents sent him a ticket to the Netherlands and the address of an uncle living in the countryside.

After Thailand, Nevil’s habit was really out of control. Upon arriving in Holland, he immediately enrolled in a methadone program and discovered he required 24 tablets a day to stay straight. “I handled that for about six months,” he says. “I was trying to cut down, trying to fit in. I had unemployment benefits, which is enough to survive in Holland. But I was feeling quite lonely.” Six months later, he moved to Tillberg, the center of Holland’s smack scene.

Obviously, Tillberg was not the sort of environment conducive to kicking heroin. Junkies had taken over the city, converting pubs and hotels into shooting galleries. “My first day in town, I went to a bar called the Lawyer’s Purse,” says Nevil. “Smack was being sold up and down the counter. It was a madhouse. Apparently, the police didn’t—or couldn’t—do anything about it. It went on like that for quite some time. When the police would close one place down, everyone would move to another bar. It was a fairly rough town and I went through a time of hardship. I had no money except welfare. I had a raging habit. I was living in a town known for being tough and criminal. I cost the state large chunks of money as I went

through all the available drug rehabilitation programs. After having made numerous failed attempts at stopping, I decided no one could help me. Which is true. No one can help a junkie. He can only help himself. So, I decided to kick heroin on my own. I convinced a doctor to give me ’ludes to sleep and a synthetic opiate, which probably didn’t do anything. I stayed home and suffered for six weeks until I reached the point where I could handle alcohol. Then I started drinking every day, a half bottle of Scotch in the morning, a half bottle at night. I used the ’ludes to sleep, so that there was always a certain part of the day blocked out. Eventually, I got sick of hangovers and turned to grass. I decided it was probably the only acceptable drug.”

In 1980, while still trying to kick his habit, Nevil stumbled across a copy of the *Marijuana Grower’s Guide* by Mel Frank and Ed Rosenthal. “I’d grown some weed in the bush in Australia,” he says. The book helped reawaken Nevil’s interest in genetics. Why not combine his two favorite pursuits, breeding and drugs? Nevil applied for a loan to build an indoor growing chamber for marijuana. Only in Holland could such a request be taken seriously. “The drug program I was enrolled in gave grants to drug addicts to get them started doing something useful,” he explains. “I told them I wanted to grow weed indoors. They weren’t thrilled with the idea, but they gave me the money anyway.” The unit consisted of eight 5-foot fluorescent lights. “There was a vacant lot behind my apartment and I filled it with weed. I had Nigerian, Colombian, and Mexican seeds. The Mexican was the best. I still have the strain. My dwarfs come from it.” Although there wasn’t much demand for homegrown weed in Holland, hash oil was a valuable commodity and could be sold easily. So Nevil became a professional hash oil maker.

INSIDE CANNABIS CASTLE!!!

This Mexican *sativa* is a
full-grown sister of the
dwarf shown on page 49







OPPOSITE PAGE: Northern Lights is one of the most resinous plants developed by indoor breeders. It is also Nevil's most popular strain. BELOW: sheep graze near the greenhouses outside of Cannabis Castle. BELOW LEFT: The King counts his day's receipts.



THE FIRE

Nevil used petroleum ether, an extremely flammable liquid, for the distillation process. "I was heating it with thermostatically controlled electric plates," he says. Unfortunately, however, Nevil didn't realize that the thermostat on the heater had to be placed in another room because the thermostat sparks when turned on. He had a sink filled with 40 liters of petroleum ether, as well as a can with another 10 liters on the floor. One day he turned on the thermostat and it sparked. The spark turned into a flame, which instantly turned into a raging fire.

With eyes closed, Nevil ran to the adjoining room and dove out the window, bouncing off a roof

and rolling onto a sidewalk. "My first thought after hitting the ground was to save my dope," he says with a laugh. He ran back inside, grabbed whatever hash oil he could find, and buried it in the backyard. He went back again and collected whatever valuables he could find. "Then I went next door to tell the neighbors," he says. "They were shocked by my appearance. I didn't realize my hair was singed, my face was black, my clothes were torn. I had first- and second-degree burns and was covered with blisters."

Twenty minutes later the police arrived, followed by the fire brigade and an ambulance. At the hospital, the burn specialist told him he was lucky to be in such pain because it meant the burns weren't first degree. He was given

JEFF VAUGHN



Station, one of the many workers at the Castle, inspects a new generation of seedlings.

a shot of morphine to kill the pain. The next morning, however, Nevil refused further shots. "I knew I'd turn into a junkie again," he says.

Despite horror stories from his doctors about being scarred for life, Nevil was released two weeks later with no visible damage. There was one permanent change, however: Nevil decided not to make hash oil anymore.

Since Nevil had been reading *HIGH TIMES*, he knew revolutionary new *indica* strains were appearing in the United States, even though none were available in Holland. If only he could grow weed the Dutch would consider palatable, then he'd be in business and could sell marijuana instead of hash oil. He searched through copies of *HIGH TIMES*, hoping to find an *indica* seed supplier. "I looked for hidden meanings in all the ads," he says. "Of course, it was just fantasy on my part. I knew how difficult it was to get good Nigerian and Indonesian seeds in America and I wanted to trade with someone."

Eventually, Nevil realized there was only one way to obtain good seeds, and that was to become a seed merchant himself. He hired a lawyer to investigate the legal implications and discovered it was

possible to sell cannabis seeds in the Netherlands. Within a matter of months, he sent his first ad to *HIGH TIMES*.

Nevil goes to great expense to obtain seeds, even secretly traveling into Afghanistan.

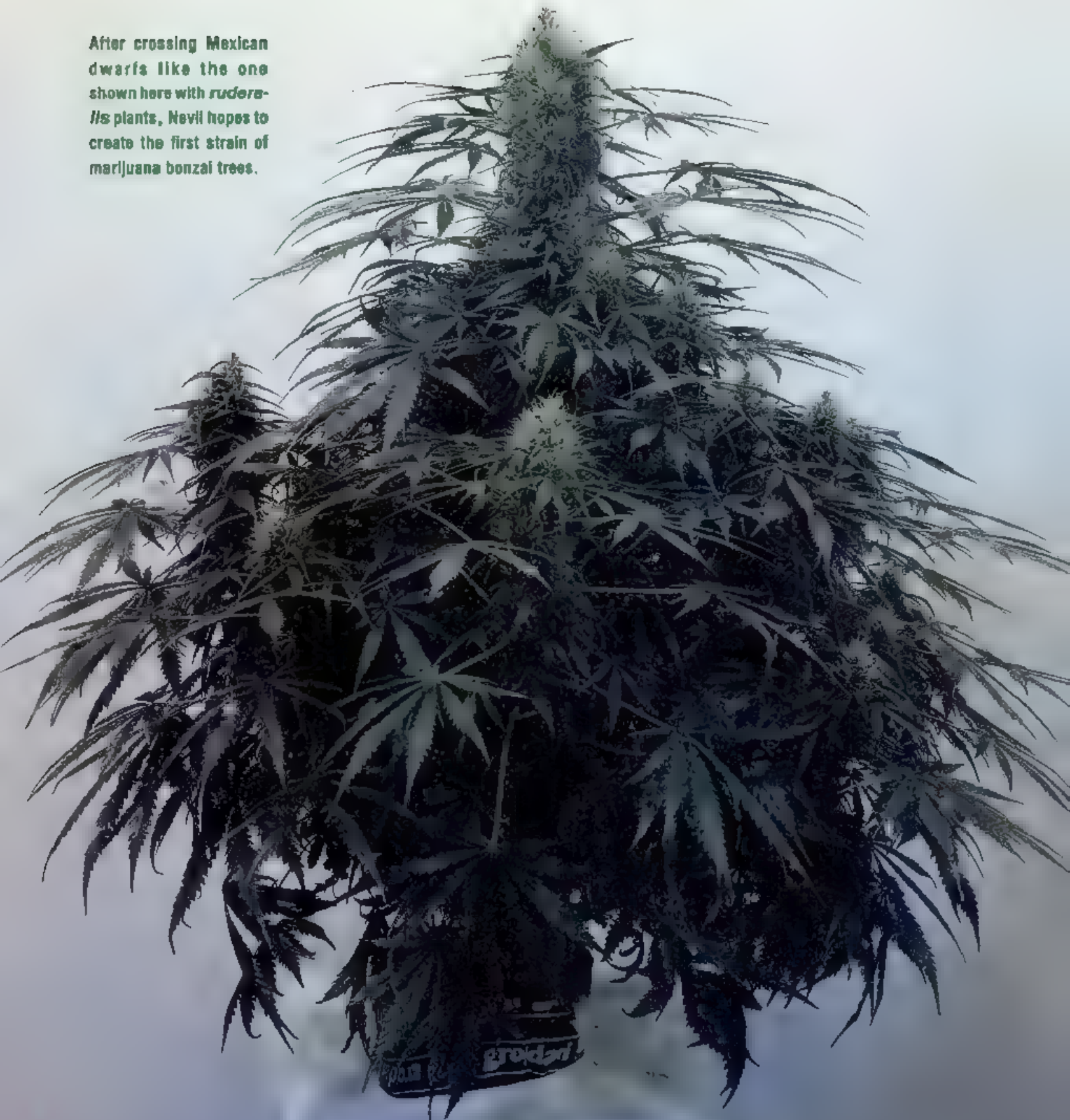
"I expected there were thousands of people just like me, and as soon as they saw the ad, I'd be in business," recalls Nevil. Business, however, was disappointingly slow for the first few months. Why? Probably because most readers found it hard to believe high-quality seeds could be obtained so easily. Nevil doesn't discuss his distribution system, but there is no doubt the seeds were getting through. Most of the money Nevil received went back into improving his seed strains. Nevil went to great expense to obtain seeds, a commitment that is best illustrated by a secret trip to Mazar I Sharif in Afghanistan. According to the Moslem legend, one of Mohamad's sons died in the city. Consequently, it is a very holy

city. It is also known for high-quality hashish. Although hash from the area had been readily available in Holland in the '70s, the Soviet invasion of the country greatly reduced exports. In 1985, an Afghan refugee told Nevil the fields around Mazar I Sharif were being destroyed. "That was all I needed to hear," says Nevil. "I caught the next plane to Pakistan to save the strain."

The story of this adventure was first reported in *Regardies Magazine* and written by former *HIGH TIMES* reporter A. Craig Copetas. "After being smuggled into a refugee camp near Peshawar while lying on the floor of a car, Nevil made contact with a 30-year-old Muslim fanatic who had a throbbing vein that ran from between his eyes straight up his forehead," wrote Copetas. "The man took a lump of black hash out of his pocket and told Nevil that it had been processed by his uncle, a man known as Mr. Hashish. Surrounded by four men who were pointing machine-guns at him, Nevil set about negotiating with Mr. Hashish, a Mujahedin commander, and finally persuaded him to send a squad of his men 280

continued on page 93

After crossing Mexican
dwarfs like the one
shown here with *rudera-*
lis plants, Nevil hopes to
create the first strain of
marijuana bonzai trees.



Taxaon 111, 1





● Praying (1984, 36" x 48")



by CARO MCGUINCH

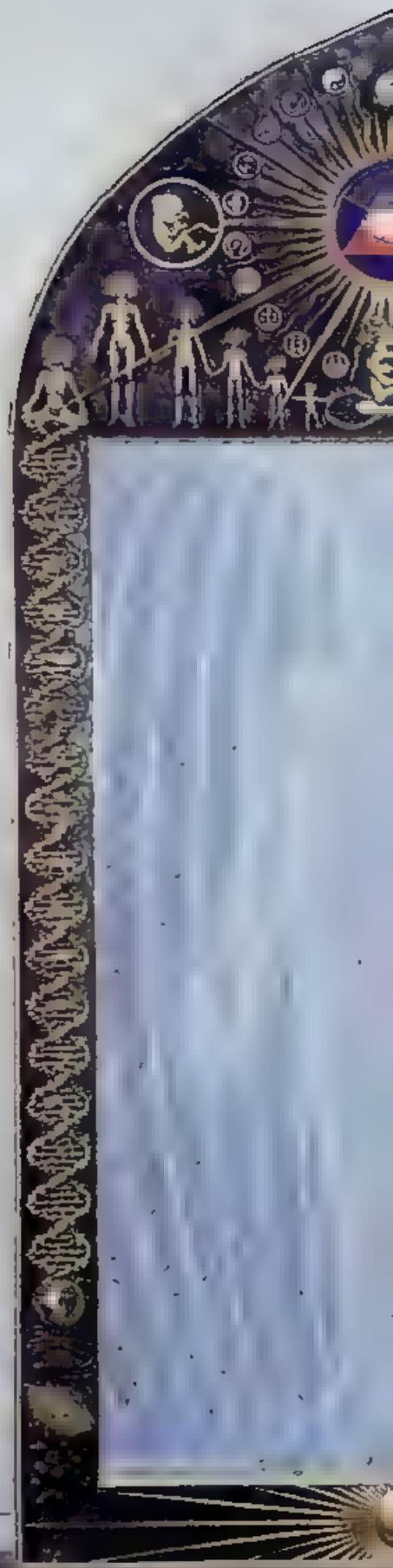
When psychedelic art erupted as a movement in the mid and late '60s, it didn't have any single look, yet it was unmistakably a definite style. Psychedelic art, however, never got the official stamp of approval from the cultural status quo, so

you're not likely to see examples in museums or art history books. Part of the problem is that this trippy art advocated a consciousness that was subversive and illegal. What no one but the hip youth movement realized was that psychedelic art was more than just a groovy fashion for a spaced-out age. When people take mind-expanding drugs, they can be propelled into states of awareness that may forever change the way they perceive reality, and many artists so enlightened express these new feelings and thoughts in art, music, and writing. Two contemporary artists who have used psychedelics to explore the universe of cosmic energy within the self are Alex and Allyson Grey, a couple who translate their experiences onto canvas.

Alex met Allyson in 1975 at a party in her house in Cambridge, Massachusetts. A friend had spiked the punch with LSD, and since then, they both have continued to relate their immediate unity of absolute psychedelic love with painting. Art is about communication, and the most important thing that the Greys want to convey is the life-changing revelations that they have experienced with psychedelics. In the next issue of **HIGH TIMES**, we'll explore the out-of-the-body, transcendental trips they've taken, and spotlight the paintings of Allyson Grey. For now, check out these images by Alex Grey, and see if his paintings of altered states match some trips you've been through. ●



● New Man, New Woman (1980, 1983)

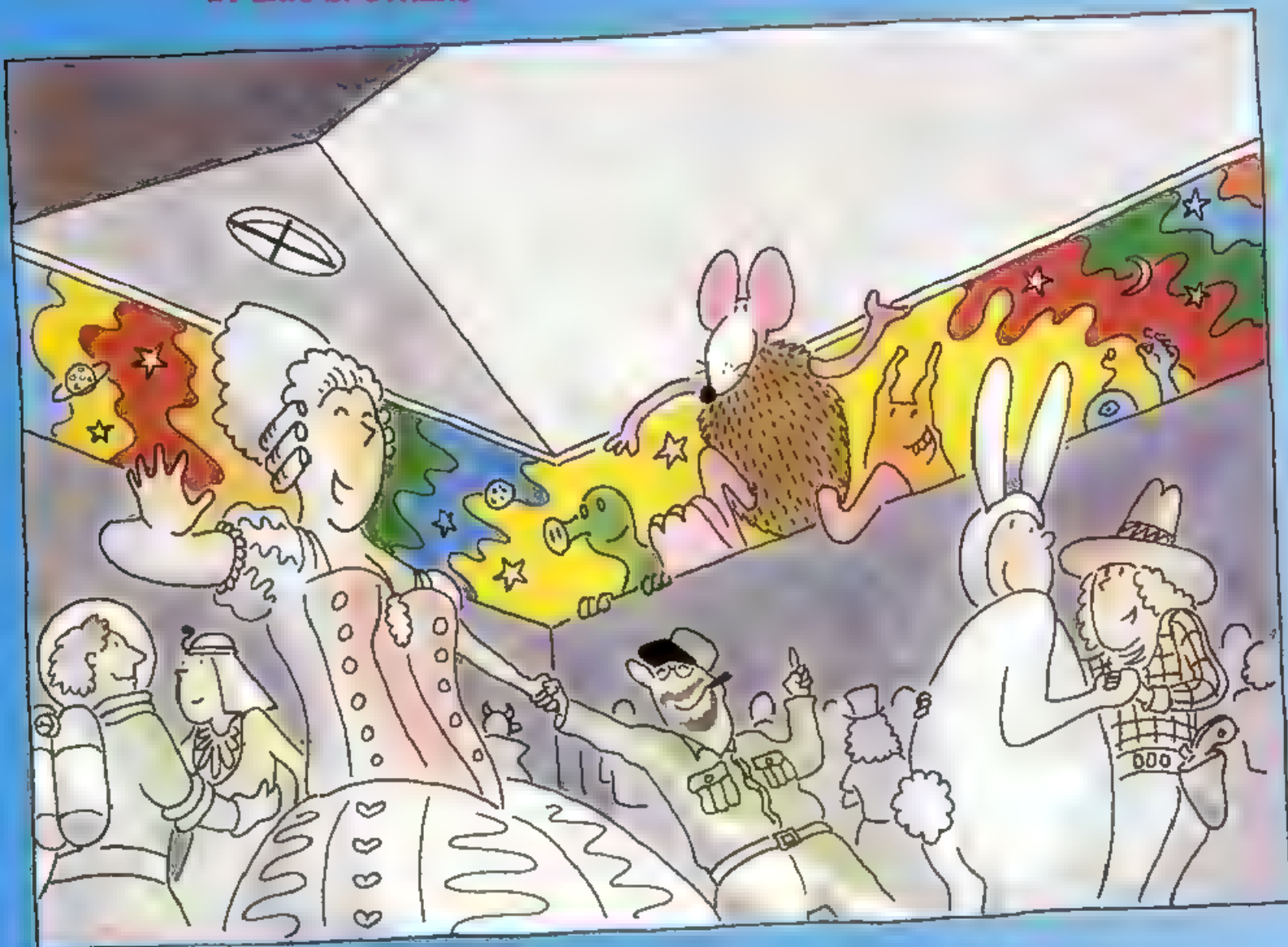


● SACRED MIRRORS 1980-81



The Electric Costume Party

BY Eric Sponner



My 1984 Honda Skyhawk

was still coughing and sputtering five minutes after I turned off the ignition. But that wasn't important. My mission, a beer run to the Iowa border, had been a complete success. Five cases of Olympia beer were in my possession for the

Electric Costume party in the middle of December in Milwaukee, Wisconsin.

How did a college dropout from Fort Lee, New Jersey end up in Milwaukee in the dead of winter? Simple. I went out for a drive one day and said to myself, "Why don't I visit my old buddy, Gerry Max?" I knew he was somewhere in Wisconsin, so after crossing the Illinois border I called his mother to get precise

ILLUSTRATIONS BY
DAVE KRON

directions. Finally I arrived. I got out of my car and walked to West Kilbourn Avenue near Beth Israel Hospital. It was a barmy day—18 degrees below zero with a crisp wind at my back.

I walked up the steps to his apartment at the Strack, a tenement near the Marquette University campus where Gerry was studying political science and the drug habits of the Soviet Union. I rapped on his door and he opened it, standing there with a foot-long red, white, and blue joint hanging out of his mouth. "Holy shit, it's Ray Phillips!"

Gerry introduced me to his roommates. Bill Bailey was a tall, thin theater major who one day wanted to be a Utah state senator, even though he came from Virginia. I asked if he'd spent any time in Utah and he said, "No, but I've read many books on the subject and I feel deep in my heart that I should become a Mormon and stop this decadent, self-destructive life-style of mine." He then tossed two yellow pills down his throat, washed them down with a beer, lit a joint, and fell down into a chair and started reading a copy of **Brigham Young—The Untold Story**.

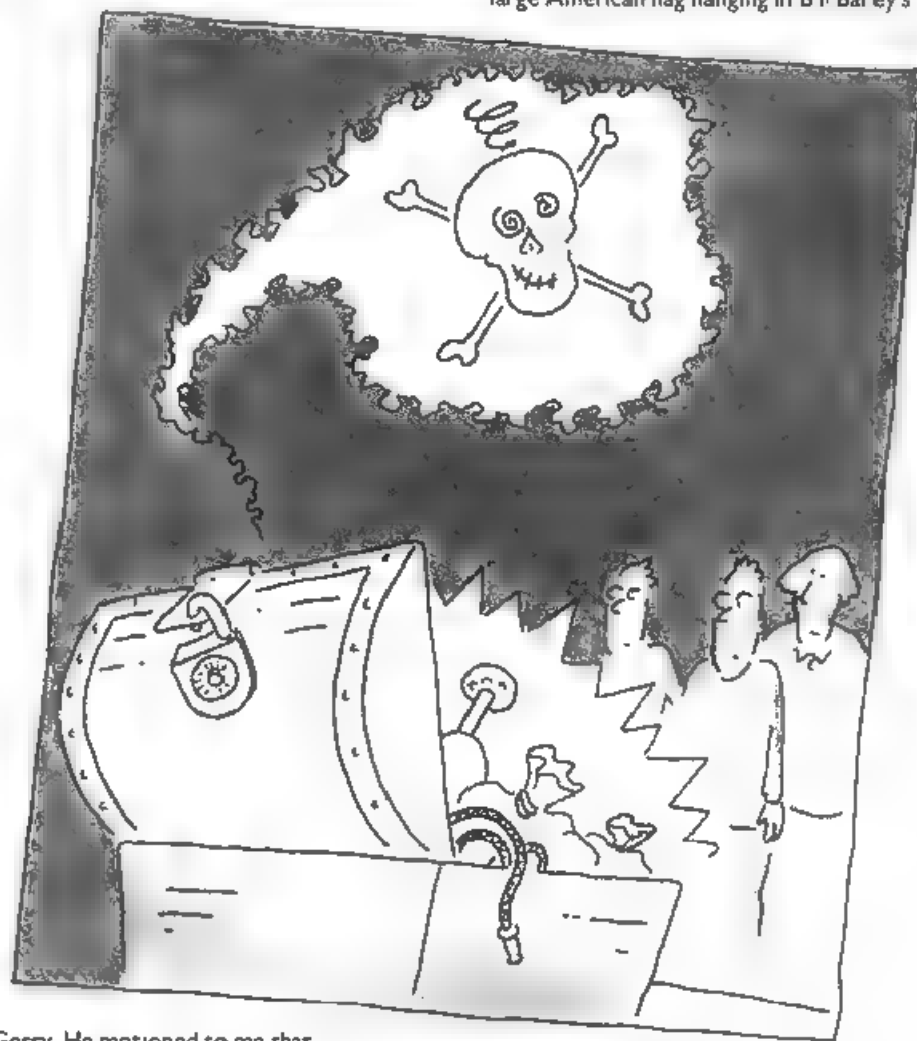
Allan Nice, Gerry's other roommate, had long brown hair parted in the middle. He came from St. Louis and dressed in the traditional Marquette garb—a clean lumberjack shirt, Levi jeans, and scuffed-up, brown cowboy boots. Gerry later told me, "Ray, Allan's a cool dude, but I gotta tell you something. . . . He likes to keep clean." "Oh, he stays away from drugs?" I asked. "No man, he likes a lethal dose as much as the next guy. Allan hates the concept of sweat, dirt, all that crap, so he likes to shower a lot—about fifteen to twenty times a day—so use the small to let in the back."

A second later Gerry's face lit up and he shouted, "You must meet the Rabbi! Bill, go get the Rabbi and Beanbag!" Bill tossed down his book, took an extremely large hit from his joint, and bolted out the door.

A few minutes later we stood eye-to-eye Ray Phillips and Rabbi Dolan. It was a

bit eerie, because we could've been twins, or at least brothers. He had the same face, same profile, same hair, same tortoise-shell-colored eyeglasses! He was a bit shorter and heavier than me, but the resemblance was striking. His roommate, Beanbag, was a tall, lanky guy from Alabama who didn't say much. We hung out for a while and then the Rabbi suddenly ran out the door. I looked at

for this special occasion we must . . . we must . . . ah! Here it is . . . a special blend of Alaska Thunderfuck and Vietnamese Death Weed with a touch of pig tranquilizer! Beanbag, prepare the bong!" We all smoked long and hard, with Gerry inhaling enough for ten people. I located the latest Grateful Dead record and put it on the stereo. The first song was **U.S. Blues**, which inspired us to remove the large American flag hanging in Bill Bailey's



Gerry. He motioned to me that everything was cool.

The Rabbi returned carrying a large wooden box with a combination lock on it. He fiddled with the lock, and after a desperate ten-minute struggle the box was open. He took the contents out tenderly—five separate one-ounce bags of pot, a large bong with attachments for eight people, a bottle of Mogen David wine, a pack of Winston's, four hash pipes, a copy of **On The Road**, and a bag of multicolored controlled substances. The Rabbi began to speak, "Now . . . let's see

room and march around West Kilbourn Avenue for an hour or so with it.

Later that night the Rabbi and I had a long discussion about the important issues facing people who smoked large quantities of dope on a regular basis. I discovered that the Rabbi was no Rabbi—he wasn't even Jewish. His real name was Robbie Dolan. He had changed his name to "Rabbi" because his father

continued over

Party

continued from previous page

was a high-ranking official in the John Birch Society, and Robbie enjoyed seeing his old man's facial veins turn purple when people called asking for the Rabbi. Before he moved to Milwaukee, the Rabbi got his name on the mailing list of about fifty Jewish fund-raising organizations so his father wouldn't miss him. The Rabbi told me about his checkered college career. He was originally pre-med, but switched his major to German, the only one his father would pay for. He could now send obscene letters to his father in the German language.

The Rabbi abruptly stood up and started to speak in a staccato voice, "We

1. it must be, it shall be the greatest costume party at Marquette University, and you—Ray Phillips—must be... shall be... among the honored guests. Calls must be made!" He ran out of the apartment and down the stairs. Gerry Max appeared at the door and offered me a hit from a foot-long green joint.

A few days later I was back on track with my health food diet—two double-pepperoni pizzas with a tall mug of Old Milwaukee Beer—when Bill Bailey entered the dining room holding seven picture books on Utah. He told me there was a special gift waiting for me in the living room. I asked him what it was and he declared, "Not what—who!" He took me by the arm and into the living room where Allan was towel-drying his hair while comparing Hegelian philosophy to the writing of Dr. Hunter S. Thompson with a delicious red-headed chick. She was wearing a worn-out blue work shirt and was chain-smoking Kools—my kind of girl.

"There," whispered Bill Bailey, "she's your gift."

"What's her name?"

"Loose Lucy, but we call her Susan. Sit

down next to her and feel her up. She likes that," said Bill.

I sat next to Loose Lucy and introduced myself while rubbing her breasts. She told me that the Rabbi had told her about me, and that she was looking forward to the costume party. She gasped as I gently licked the back of

ashtray full of Kools! I gagged slightly and excused myself.

While vomiting into the toilet bowl I thought, "This girl is a dream!" I brushed my teeth and went back into the living room. We kissed for a while and then decided to take a romantic walk through the white slums of Milwaukee.



her neck while rubbing her nipples with the palm of my left hand. Allan was now spraying himself with a variety of deodorants as his monologue turned into a comparative study of Gregorian chants and the early music of the Jefferson Airplane. He then announced that he had to study for an important "Religious Warriors of the 15th Century" test and left the room while spraying himself with Brut, Right Guard, and Ban. Loose Lucy lit up another Kool filter as I rubbed between her legs. She quivered, taking a deep hit from her cigarette. Our lips met in a passionate exchange of wet, sloppy tongues. Then I felt a strange sensation deep in my throat: this girl tasted like an

A few hours later we arrived back at her apartment at the Strack. She opened the door and I put my arms around her. I slowly unbuttoned her work shirt and cupped her firm breasts in my hands. I kissed her ear and she said, "No... please don't... I won't be able to stop myself..." I don't know what the hell got into me—I actually listened to her. After feeling her up "Goodnight," I walked up the stairs to Gerry's apartment grabbing my groin.

As I walked into the apartment Gerry Max handed me a foot-long pink and green joint. "I heard you've been messing around with Loose Lucy," he said. "You'd better watch yourself, she's Ace's chick."

Bill Bailey entered the room dressed as an American Indian chief and declared, "You know, the Mormons strongly believe that Native Americans are direct descendants of the Ten Lost Tribes of Judea. This truly fascinates me beyond belief." I asked him about Ace and he said, "Oh, yes, Ace. Have you seen a guy around campus with stringy brown hair who walks head-first into walls, smiles, and then screams into his trenchcoat?" I nodded my head. "That's Ace. He's the only combination junkie-drunk-acid head we have here at Marquette."

"Is he dangerous?" I asked nervously.

"Nah, only if you cross him or fondle his chick's breasts."

Just then the Rabbi and Beanbag burst into the apartment. "Time for pow-wow," said the Rabbi. "Bill Bailey—perfectly dressed for the occasion."

The Rabbi battled with the lock on his wooden box for ten minutes and then Beanbag prepared the bong. Everyone smoked for ten minutes while the Rabbi spoke. "The costume party will be held Saturday night... at a great large house, address to come. Ingredients are missing. Allan is in charge... will be given funds... must provide electric entertainment. Newly arrived Ray Phillips will make urgent beer run to the Iowa border... tonight. Party will be given, must be given, a new name: The Electric Costume Party."

On Saturday evening

Gerry Max told me that he would come to the Rabbi's party, but that he had a few other engagements. The Rabbi burst into the apartment carrying two double-pepperoni pizzas and handed me one of them. "Ray Phillips-style health food, on me," said the Rabbi. After a leisurely five-minute meal, Rabbi gathered the crew together for "electrification" procedures. Allan placed a large hunk of aluminum foil on the table. The Rabbi lovingly opened the foil and determined what type of acid each person would have. It was decided that I would ingest some "windowpane," which was then placed on the windowsill

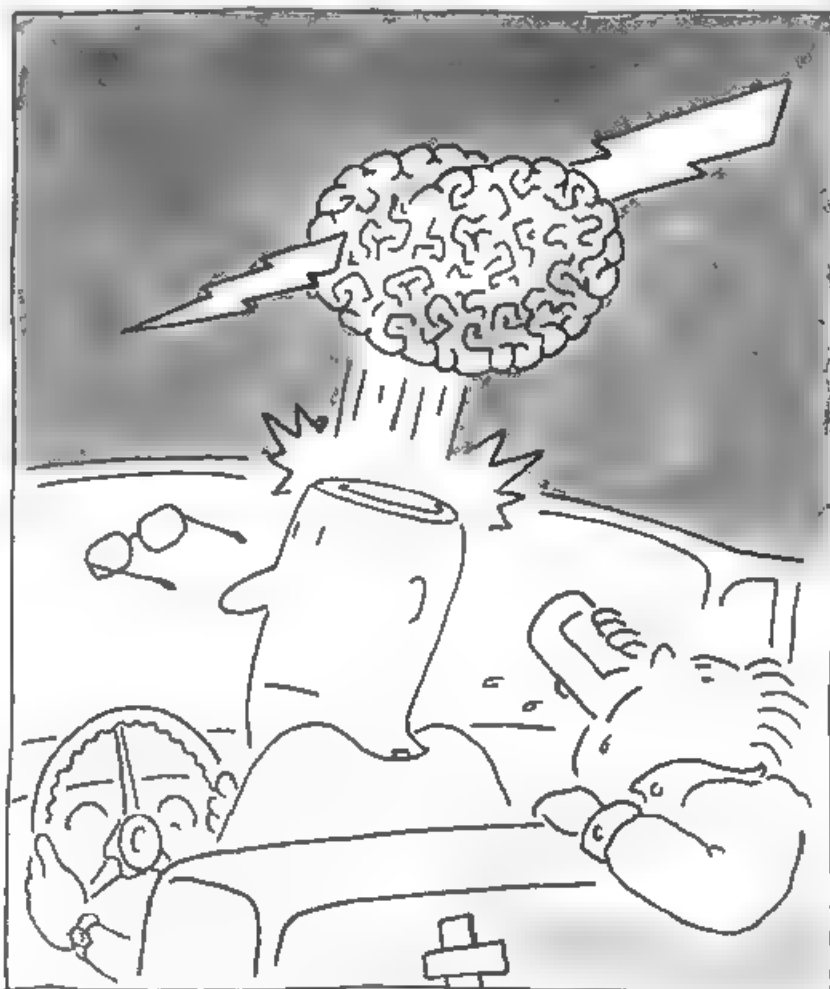
for effect. We all swallowed our recommended dosage and set a time to meet at the party. Bill Bailey convinced me to drive him to pick up his date, a Second freak named Sleepy. I wondered aloud about how long it would take for the acid to hit and heard Bill Bailey say, "It usually takes two hours, six minutes, and forty-seven seconds."

Bill, Allan, and I hopped into my Skylark and headed for Sleepy's place. After about fifteen minutes I felt the back

through Milwaukee with my brains frying?"

Nobody answered me. They were too busy trying to break through the roof of my car with their heads.

When we arrived back at the Strack with Sleepy, I parked the car on the sidewalk and went directly to the Rabbi's apartment, but he wasn't there. Beanbag was hanging out in his costume, a beanbag chair with room cut out for his head and arms. He told me he hadn't taken his



of the car rise eight feet in the air. I also remembered a Grateful Dead song—backwards. Thinking it was nothing unusual, I continued driving. But after seeing fifty laughing police cars in my rear-view mirror, I knew the windowpane was doing its trick.

"Bill Bailey," I said, "I thought you told me it would take two hours, six minutes, and forty-seven seconds for the acid to hit."

"No, Ray," he said, "that's how long a Mormon service lasts."

"Argh...! You mean I'm driving

recommended dosage yet, and agreed to drive us to the party in my car. I put on my Fidel Castro duds, gave myself a greasepaint black beard, went back to Beanbag's place, and gave him my car keys.

Under the influence of windowpane you could hear the party from two miles away. We walked into the house and headed in different directions. Allan walked up to the Rabbi and got into his multicolored costume with him—it was terrifying! Bill Bailey, clad as Brigham

continued over

Party

continued from previous page

Young, sat down and started to read out loud from a small red book, **Quotations from Chairman Brigham Young**. I looked to my left and saw two large mice giggling in unison. They obviously had escaped from one of Lewis Carroll's books. After yanking off the last of the small brown African bats off my legs, I went looking for a drink. I found the stash of Olympia beer and gulped down about half a can, which tasted like nuclear waste material. Someone grabbed me by the shoulder and said in a backwards Spanish accent, "Fidel! I have not seen you in many years!" I couldn't believe my dilating eyes—it was Che Guevara in the flesh! I remarked on how I thought he died in South America some years back and he said, "Hey man, don't believe everything you read in the paper!"

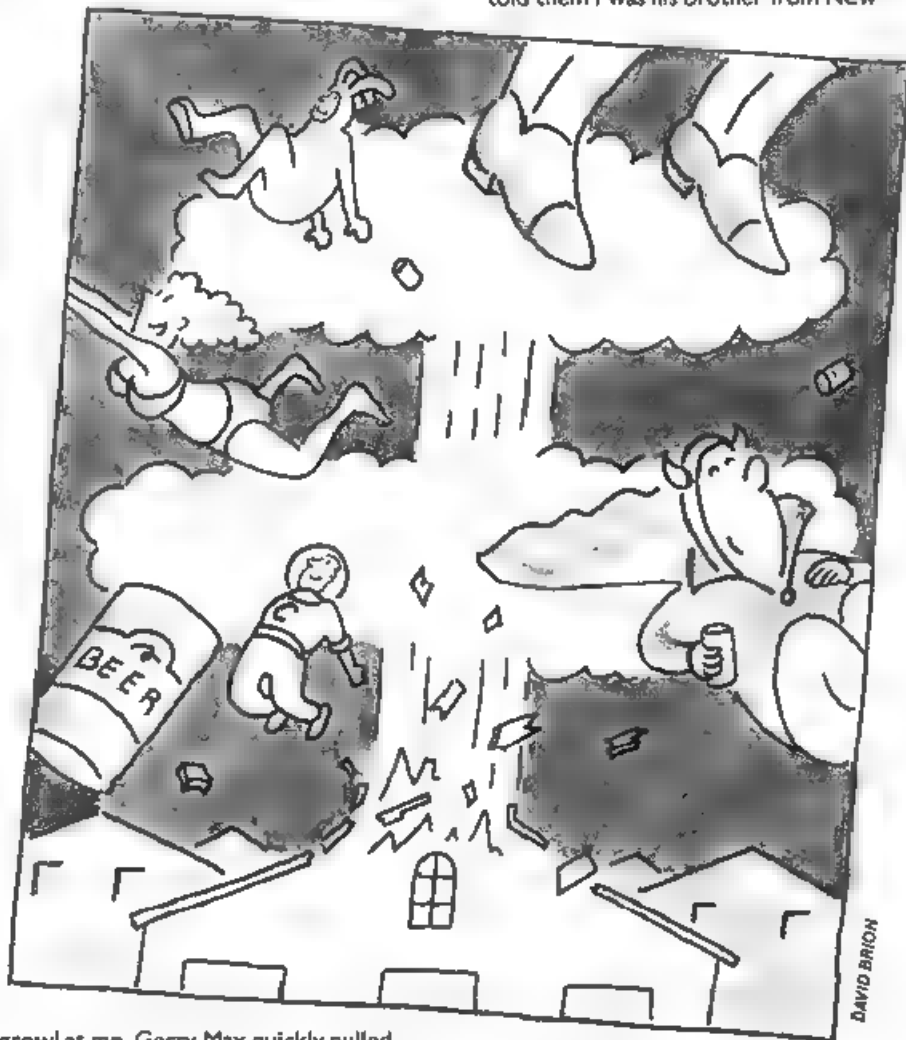
I wandered upstairs and saw a girl—my heart started beating wildly. It was Loose Lucy, covered with sequins and beads of every color in the rainbow. Her hair was adorned with beautiful feathers and she was taking quick drags from a Kool filter cigarette. I walked up to her and felt her up. She seemed to recognize me. I told her, "I've missed you." Then I saw a disgusting looking young guy leaning on a wall near me. He was wearing a filthy trenchcoat, a ripped fedora, paper bags for shoes, and had a bagged bottle in his coat pocket. He gave me an evil look and started to scream into his coat. It was Ace!

I ran downstairs. "Help me with my hostly duties," the Rabbi said, showing me a bag full of acid tablets. Whenever a newly arrived guest entered the living room, Rabbi would offer to get them a drink. He would drop the acid in the drink and hand it to the thankful guest. My job was to make sure there was acid in a steady supply of empty cups. The Rabbi simply wanted to "make this a party no one would ever forget."

By wandering away from the Rabbi when I did, I was able to catch Gerry

Max's entrance. He was wearing a fringed buckskin jacket, chaps, and was toting a pair of six-guns. I couldn't believe it—Buffalo Bill with a foot-long brown joint dangling from his lips. I steered Gerry away from the Rabbi and into the kitchen where the Olympia was kept and handed him one. Just then Ace slammed into the refrigerator head-first and started to

feel better. I took a gulp from the glass and started to heave and gag again. As I stumbled down to the cellar, I saw Loose Lucy out of the corner of my eye. After demanding to know what was in the drinks he was giving me, the Rabbi said, "Tequila and beer—what did you think it was?" He then introduced me to three people disguised as Richard Nixon and told them I was his brother from New



growl at me. Gerry Max quickly pulled out his two six-guns and told Ace he was the new Milwaukee marshal. He also told Ace to be out of town by noon. Ace screamed into his coat and slinked out of the kitchen.

I blinked my eyes and found myself in the cellar having a conversation with the Rabbi. We were standing over a slop sink that had a keg of beer in it. Rabbi gave me an acid-free drink; after a few sips from it I started to gag and vomit. I staggered back upstairs and sat next to Allan, who was towel-drying himself. About fifteen minutes later the Rabbi handed me another drink, saying it would make me

Jersey. The Rabbi then marched up the stairs declaring that the music must be changed.

The rest of the night is more or less a blur. I remember sliding my hand into the panties of a cheerleader—or was it Marie Antoinette? Somehow I drove the car back to the Strack. Gerry Max convinced me that both of us needed a good healthy breakfast at 5 A.M., so we wandered down to an all-night diner a few blocks away. As we ate chocolate donuts and pizza burgers I thought the Rabbi's Electric Costume Party had been a good time I'd never forget. ●

THE CARE AND FEEDING OF BIG BUD



BY JOHN BUSHWELL

THE CARE AND FEEDING

This is the Story of BIG BUD, the most amazing strain of pot to come along in years.

As far as we know, **BIG BUD** was first cloned in Seattle, the home of indoor growing, and is a clone now owned by thousands of happy, prosperous indoor growers. Technically, a clone is one of a group of genetically identical individuals deriving from a single "parent." In the plant kingdom, clones are propagated by taking cuttings from a single plant. **BIG BUD** is probably one of the largest clones now existing among pot growers. This huge clone apparently derives from one original plant that sprouted from an extremely pure *indica* seed strain. You just can't get more *indica* than **BIG BUD**, folks.

The characteristics of **BIG BUD** include broad leaves, very dense internodes, extremely skunky aroma, short and stocky growth habit, fast and vigorous growth, and probably the fattest buds around. A flowering period of around 70 days with 12 hours of darkness each day may yield buds easily 6 inches in diameter, on a plant no more than 36 inches tall.

We don't know where **BIG BUD** originally comes from. Perhaps it is some kind of hybrid developed by American growers, although the almost exaggerated *indica* characteristics point to some sort of genetic purity. The rather lengthy flowering period would indicate a country of origin below 40 degrees latitude, possibly in central Asia. My theory is that it is quite a pure strain, one of the few to be heavily cultivated in this country without hybridizing. All we have now is the clones, with no access to seeds to test out theories of genetic purity. But what a clone!

Taking Cuttings

Since we have no seed, we must start with a cutting. The best cuttings for **BIG BUD** come from relatively mature mother plants, at least 60 days old. Cuttings from plants younger than

this do not root very well, if at all. This is due to the very soft tissue that is formed during the early growth spurt. The older plants tend to develop enough "wood" to allow the cuttings to root. It is wise to restrict nitrogen intake several weeks before taking cuttings to enable the tissue to toughen up, but great caution must be exercised. **BIG BUD** requires a very high nitrogen level during the entire vegetative stage, and if it is deprived too long, it becomes susceptible to leaf disease. If premature yellowing of the leaves becomes noticeable, a booster feeding of nitrogen must be given immediately, or the plant will suffer.

The correct health of the mother plant is the first requirement for good **BIG BUD** cuttings: neither too soft nor too nitrogen deficient. The best cuttings are those from the lower reaches of the plants, as they tend to be stiffer. Take a cutting from 2 to 4 inches long, with a stem diameter of about 1/8 inch. Remove leaves up to the top node, or the top two nodes. Leave as much leaf as possible above this point without causing excessive wilting. If too much leaf is removed, the cutting will root slowly, and it will grow slowly once roots do form. If too much leaf is left on, the cutting will transpire excessively, and will wilt.

After the cuttings are taken, they may be dipped in rooting compound and perhaps treated with a fungicide, then placed in growing media (soil, vermiculite, Rockwool), in individual 2-inch containers, and kept in a high-humidity, diffused-light environment. Commercial rooting trays with clear dome tops under fluorescent lights work well. If conditions are proper, the first roots should appear within 10-14 days. Once the slightest roots start to form, begin watering with a dilute fertilizer solution. This is very important, as **BIG BUD** is so susceptible to nitrogen deficiency. Ventilation also becomes important at this point. Gradually increase the amount of fresh air the cuttings receive by propping open the humidity dome a little farther every day. Once the cuttings develop a healthy root system, take them out of the humidity dome, increase the fertilizer dosage to full strength, and gradually introduce the young plants to the direct halide light. Within five days they should be obviously growing. Foliar feeding at this stage really seems to speed things along, and the plants will be ready to transplant into a larger container within two weeks. Once the



BIG BUD really starts to grow at this stage, great care must be exercised not to hold it back. If drying out or browning of roots is noticed, transplanting is overdue.

It is rather challenging to take cuttings from **BIG BUD**, due to the succulent nature of the tissue and the high nutrient requirement. I usually expect a success rate of 50-75%, even if everything goes well, so take at least twice as many cuttings as you need. If the cuttings are not fertilized or ventilated soon enough they tend to produce chlorotic, sickly leaves with yellow margins. If this happens, throw the cuttings out and start over, as they are "stalled" and will probably never regain their vigor.

OF BIG BUD

● Once rooted and growing vigorously, **BIG BUD** goes into overdrive. ●

etative growth is desired, **BIG BUD** may be fed heavily. It is easy to tell when it has had too much: It becomes very dark green, the leaves become waxy and brittle, and tip burn and leaf curl may occur. When **BIG BUD** is growing normally, it has quite a light green color, almost pale. With foliar feeding, it is time to cut back when the spray starts to leave a visible residue that the leaves won't absorb. For a medium-heavy fortified soil such as Sunshine Mix #1 or Black Gold 20%, I use 1 tablespoon of 20-20-20 soluble feed to every two gallons of water for every irrigation during vegetative growth. A lighter, unfortified soil mix, such as Sunshine #4, requires somewhat more. In Rockwool, I use the same nitrogen dilution (1 tablespoon of 20% N / 20 gallons H₂O) with any complete hydroponic nutrient.

Flowering

Once the cutting is growing vigorously in a permanent container, flowering may be induced at any point. The longer the juvenile period, the larger the plant and the greater the total yield at harvest, up to a point. I prefer to raise an average of 12 **BIG BUDS** per 1000-watt sodium light. This requires that the plants be given 12 hours of darkness within 2-3 weeks of transplanting into permanent multi-gallon containers, otherwise they get too big. The juvenile big buds are about 12 inches tall at this point, and usually about 12 inches across, as they are very bushy. During the flowering period, they grow to about 36 inches tall and 24-30 inches in diameter. This is a compact size, but with a satisfying yield of large, skunky buds. If they are packed tightly together, or if the lower growth is pruned

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Juvenile Stage

Once rooted and growing vigorously, **BIG BUD** goes into overdrive growth. If the plants are still in small containers during overdrive the root system will bottom out and very quickly start to die off. This causes the fast-growing upper plant to become totally screwed up: leaf die-off occurs to compensate for the root die-off. The plant will stay alive, but it is dwarfed, ugly, and sad. It is much better to transplant as soon as the cutting develops a complete root system. I like to use 2-inch band pots for the cuttings, so I can see exactly how the root system is developing. Band pots have no bottom, so the roots can be observed without distur-

bance. A stocky, vigorous plant slides out of a 2-inch band pot and just about explodes with growth when it is transplanted into the larger container, with no transplant shock at all. This same system can be used for hydroponics if the correct media is used in the band pots.

Once under the halide lamp and in a multigallon container, **BIG BUD** will take luxury levels of nitrogen and love it. Foliar feeding may continue at this stage, with excellent results. The **BIG BUD** is like the cabbage family plants or squashes in its need for nitrogen: It is a heavy feeder. It absorbs more nitrogen than any other pot strain that I have grown, levels that would literally kill many light feeders. As long as veg-



These five ladies came all the way from the West Coast to New England by overnight express in clone form. They have been under a 100-watt MH for 4 months. Real fine smoke.

—F.G.

Reminiscent California



This plant was 5 1/2' tall and produced 1/2 pound of excellent tops! The strain was indica. The buds were fat, sticky and tasted like sweet lemonade!

—The Smog Survivor.

Reminiscent California

Dear Ed,

Last year I decided to bring my horticultural skills inside. I will soon be making use of about 300 square feet of basement space. One third of that will be for cloning and vegetative growth. I plan to have one 1000-watt halide and one 1000-watt sodium (HPS) lamp in the flowering room, one 1000-watt metal halide (MH) lamp in the vegetative room, and VHO fluorescent for the clones.

My question for a three- to four-month-old clone crop (mothers growing in the closet now), what's the minimum size container I should use to keep costs low without restricting root growth, and how much floor space should I allow each clone?

—J.B.C.

Arkansas

Growing manuals from ten years ago suggested cultivating plants three to four months before starting flowering. This meant that the plants grew 5 to 10 feet high and required 3 to 10 square feet.

The recent tendency among growers has been to flower the plants when they are younger and smaller. Some growers plant one to two plants per square foot in 1- to 2-gallon containers. Some growers "train" the branches to stakes or fencing material

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This is a picture of one of my gardens. The plants are pure sativa.

—Jed

Lexington, Kentucky

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LIVE

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U.S./Mexico Border

AW-WA MY INFRA-RED
SUPERSCANER RADAR
DETECTION TELESCOPE...

...HAS PICKED
UP A YOUNG
DUDE!!
OBVIOUSLY
STONED ON
GRACK

HE'S PROBABLY A **PUSHER!!**



ANDES

continued from page 36

labs, all 36 (or three) of them, had been burnt down and plowed under and salted over, and the magnificent *Leopardos* were in unchallenged control of the Bolivian outback, and it was all a gorgeous success—even if, somehow, there was still crack in all the *Norteamericano* schoolyards. Already in August!

Time sure dragged on for those poor grunts on the tarmac in Trinidad, though. Except for special occasions, like the Santa Ana invasion in October, their beautiful Blackhawks seldom left the ground. Most of the ferrying about of the *Leopards* was done in the clunky old Vietnam-era Bell Hueys owned by the Bolivian government, into which the grunts were forbidden to set foot. The Hueys were all piloted by *Norteamericano* spook types with vague attachments to mysterious administrative acronyms: "Civilian employees of the DEA and the Bolivian government," one *New York Times* scribe tactfully called them, after she saw them schlepping the *Leopards* from *kitchina* pit to *kitchina* pit down in Santa Cruz.

All was not unalloyed, no-pussy tedium, however. The ancient Hueys were always breaking down in some impossible location, so the engineers of the 193rd were always being ferried out to repair them, since the DEA spooks were no good with their hands (and forget about the frigging *Leopards*!). On one such occasion in September, a repair squad of grunts had to spend a few days at a bush airstrip near a faraway *fincas* somewhere, lovingly resuscitating an Army C-130 Hercules transport plane that had gotten into bad trouble. The DEA spooks had put her down on one of their three forward bush strips (appropriated by them in Roberto Suarez's absence), and she'd slid off the treacherous dirt into a bog. The DEA had evidently given her up for lost, but the grunts of the 193rd got her back in shape, back on the strip, up in the air, and *outta* there! H'rav!

And this is how that incident wound up in the *Norteamericano* papers. On 29 September 1986 Niles Latham, an Australian journalist who writes the regular "Inside Washington" column for Rupert Murdoch's *New York Post*, reported that the US DoD had lost an entire C-5A Galaxy to the Bolivian muck! "The plane was up to its belly in mud and had to be left behind," an unimpeachable source had told Latham. "Now the only people who will be using it are kids, pigs, and Bolivian chickens."

This Australian not only went to press

BULLETIN:

LATEST ON LOS LEOPARDOS

As this issue of HIGH TIMES goes to press, *Los Leopardos*—the crack DEA-sponsored Bolivian antinarcotics civilian police squad—are all over the South American papers for doing their job far too well. A top investigator with the *Leopards*, Major Ciro Jijena, testified last October before a closed session of the Bolivian Congress about narcotics-money corruption in the Bolivian government and military, and has not been seen since.

Maj. Jijena, who had been with the *Leopards* since their creation by the US DEA in 1983, reportedly fingered another original *Leopards* commander, Lieutenant Colonel Javier Quintero, as having been in league all along with the *contrabandistas* of Santa Cruz Department in southern Bolivia. Jijena is alleged to have testified that Lt. Col. Quintero apprised him of exactly how he was collecting regular cash payoffs from the Santa Cruz mafiosi in return for doing them various favors—such as raiding the wrong *fincas* on days when dope moves were being carried out on the mafiosi's *fincas*. He said that Quintero told him of a certain person named "Gabriel" who regularly visited the cocabush plantations of the *chepare* district of Santa Cruz, and brought back hefty bundles of American currency from the paymasters of Roberto Suarez (see main story).

This was going on all through the four-month period when US Army forces were stationed in Colombia to assist *Los Leopardos* in transporting their troops from *fincas* to *fincas*, if Jijena's story is true. It may help explain why Operation Blast Furnace never succeeded in locating a single kilo—or even a gram—of cocaine or even cocapaste over the entire period. The only individual "arrested" in the course of the operation was a 17-year-old boy who had landed in a light plane at a dirt strip near a hush lab the *Leopards* were "investigating" during the first week of the operation. The boy's companion, a pilot, escaped the *Leopards* easily, and the boy was taken into the custody of the troops of the 193rd Infantry Battalion—specifically to protect him from the *Leopards*, some have said.

Maj. Jijena dropped out of sight immediately after testifying last October, and is believed to be in hiding. According to South American press reports, he said that *Leopards* commander Quintero had threatened to kill him for refusing to participate in his drug-moving payoffs. It's a fact that after Quintero was recalled to La Paz from his field command in the *chepare* last August (shortly after Operation Blast Furnace commenced), Maj. Jijena was allowed to fill the post for only ten days before being relieved of his command for being, he alleged later, "too tough with the *narcotraficantes*."

When legislators asked him who it was in the central La Paz government that may have abetted Quintero's alleged corruption, Jijena reportedly named Interior Minister Fernando Barthelemy, the ultimate civilian commander of the entire Bolivian police bureaucracy, including *Los Leopardos*. During Operation Blast Furnace, Minister Barthelemy assured numerous North American print and television correspondents of his personal gratification at having the US Army's assistance in combatting Bolivia's cocaine barons (who presumably had to fatten their payoffs aplenty over those four months).

Lt. Col. Quintero, the *New York Times* has reported, is currently on the staff of Bolivian Vice President Julio Garrett.

with that crockery, but he also wrote this: "DEA agents on the scene had warned the Pentagon that Operation Blast Furnace would be taking place during the rainy season, noting that the primary airstrip was a dirt runway that would turn quickly to mud."

Now, a C-5A Galaxy would be far too huge and heavy to put down onto the primary Blast Furnace strip in Trinidad—you can fit several C-130s into a Galaxy—let alone any dirt strip. The operation was purposely *not* conducted in the rainy season, which commences in November in the Southern Hemisphere (though Latham may have forgotten this, if he ever noticed in the first place).

Amid all this bullshit that was spoon-fed

into him by his DEA chums, there was one succulent turd of 200-proof truth: a C-5A Galaxy does cost \$114 million, and would be terrifically expensive to replace. The DEA has to be fervently grateful that they never really *did* lose a whole \$114-million Galaxy too, because it's they who will have to split the whole tab for Operation Blast Furnace after it's over.

That's right. Under the stated terms by which the DoD lends assistance to civilian law-enforcement agencies—be it "antinarcotics" assistance or whatever—those agencies get billed for personnel and materiel. Everybody in the government knows this: "It's costing

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PHOTOGRAPHY BY J. HENRY FAIR

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continued from page 63

off, the bud development is concentrated into a main central bud that may reach 8 inches in diameter. The side buds will also get quite fat, and will require some sort of support. I place the plants inside 20-inch-diameter wire cages, and the large side buds are supported beautifully, growing out through the wire or just inside it.

The total flowering period averages about 70 days. This is a fairly long flowering cycle, but it is obviously required for the main buds to attain their enormous size. Most of the earlier varieties I have grown tend to flower quickly and then stop growing quite suddenly. **BIG BUD** starts flowering, and keeps flowering, and then flowers some more. Finally, it will stop growing vigorously at around 55-60 days and then finishes out over the next 10 to 14 days. It is important to cut back the level of nitrogen at 40 days to 1/2 or 1/4 strength. You may want to switch to a high-phosphorus formula at this point (20-20-20). I just dilute it more. Don't be afraid to use plain water during the last month or so if the plant shows any signs of excessive fertilization. Some potting soils have a substantial nutrient charge already mixed in, and this can lead to overfertilizing during the flowering period when the nitrogen requirement of the plant is very low. Over-fertilizing during flowering leads to loose, slow-maturing buds. It is critical to follow the natural life cycle of the plant, and not to try to force extra growth at the end.

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continued on page 73

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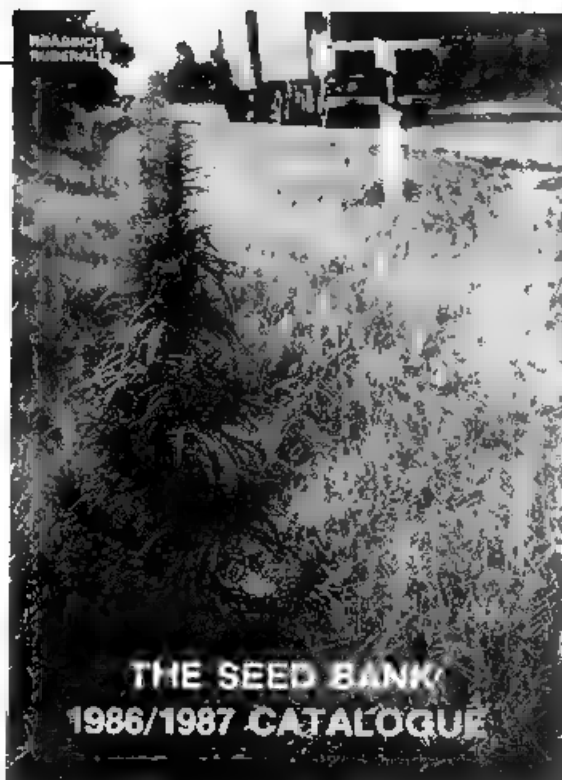
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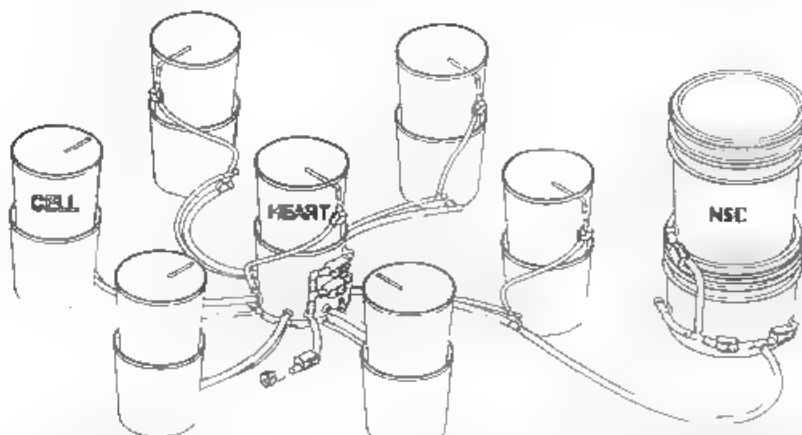
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continued from page 71

The solution to the transportation problem is to use rigid containers that are tightly sealed for transport, such as glass, plastic, or metal. An airtight picnic cooler works well. The solution to the problem of grow-room odor is to depressurize the grow room with an exhaust fan and carefully duct the exhaust to a discreet location, away from or above nosy neighbors. If the room is always slightly depressurized, the smell generated in the grow room is allowed to get out only at a discreet location, such as a chimney vent, and is therefore not allowed to permeate the house. Having an effective ventilation system is absolutely required for plant health, anyway, for temperature/humidity control and fresh air for the plants.

Harvest

The harvest of **BIG BUD** is somewhat of an art, as it is easy either to let things go too long or to get impatient and harvest too soon. Harvesting too late results in a waste of precious time and a sacrifice of quality. Harvesting too soon results in green, nasty-tasting buds. Experience is the best guide to harvest timing; experience with a calendar and a good pair of eyes are necessary. If you are growing under pure sodium light, mark your calendar for 70 days after allowing the plants 12 hours of darkness; if you are using clear halides, add another ten days or so. In addition, look at the buds carefully every day as harvest time approaches. As the buds swell and mature, the hairs should gradually turn brown and the ends of the buds flatten out somewhat. **BIG BUD** tends to mature from the middle of the plant up, so don't be deceived by the central bud—look at the plant as a whole. If you wait until the main bud is absolutely finished, the rest of the plant will probably be over-mature.

A 20-power hand lens or microscope is useful to analyze resin maturity, although it is hard to tell the perfect harvest time until it is too late. Harvest when the capitate-stalked trichomes are at their peak, abundant and clear. Waiting longer will produce more overall resin, but it will probably be of the nonglandular type and of lower quality. As **BIG BUD** is strongly indica, the calyxes will tend to remain rather small and the buds slightly leafy. Don't wait for the calyxes to swell to sativa size, as they will never get there. The huge, resinous, pungent buds are quite spectacular nonetheless.

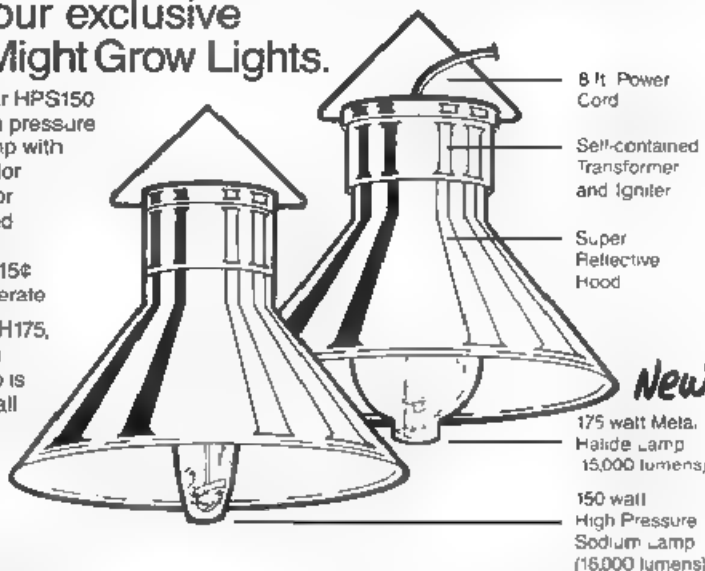
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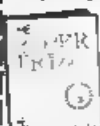
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Diseases

As you check daily for signs of maturity, keep on the look-out for the nemesis of BIG BUD: bud mold. As the buds get huge, the conditions get ripe for rot. If the grow-room humidity is high, be especially careful. The first sign of bud mold is medium-size bud leaves turning prematurely yellow; this is a danger sign that the bud is rotting from the inside out. If you gently tug on the yellow leaf and it pulls out without resistance, then bud mold has struck. Gently pull the bud open and you will see the slimy black evidence of decay. Carefully pull off the decayed portion of the bud and immediately check all your plants. Hopefully you have caught the disease in time. Don't bother with fungicides, as you are probably too close to harvest to use them; they would be ineffective at this stage anyway. The preventive and the cure is air circulation. If necessary, literally blast your plants with air from circulation fans, which should take care of the problem.

Another disease to watch out for is reddish leaf-spot, which is usually caused by a slight nitrogen deficiency during the juvenile or early flowering stage. Don't use fungicides for this either, just increase the amount of nitrogen slightly and it will stop. The affected leaves will be ugly, but that is the only damage done unless it goes too far.

Curing

Curing the BIG BUD after harvest also requires air circulation and a careful watch on mold. BIG BUD seems to hold more water than other strains, so it takes a while to cure completely. I like to hang the plants up whole until they are almost bone dry and then place them in large plastic bags to finish curing and to stabilize them. Once they have stabilized—neither too dry nor too wet—I manicure. I don't like to manicure the fresh plants because it is too easy to bruise the buds, resulting in low-quality, brownish produce. Besides, it's a sticky mess. Dry manicure is the only way—it's much cleaner and quicker.

So there you have it, the care and feeding of BIG BUD. Where can you get it? Unfortunately, there are no seeds available that I know of, as it's only a clone. If you know any indoor growers in the Northwest that produce huge, skunky buds, then they are probably growing BIG BUD. Gain their trust and beg or buy a cutting. It will be worth your while. ●

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to keep buds in the light. Still, the tendency has been to go smaller. I have seen gardens in Holland with up to nine plants per square foot. The clones are grown vegetatively until they are 8 to 12 inches high and then they are flowered, growing to a height of about 24 feet with a single large bud.

There are several advantages to this approach. While the clones are rooting they require very little space. Once they are rooted, they grow to the flowering stage in a week or two. Once they start flowering, they ripen in six to eight weeks. Experienced cultivators using this technique report very high yields per unit of space.

Some growers flowering small plants have gone back to fluorescents, using banks of lights on stacked shelves. Each unit is about 3½ feet high. In Europe some growers use "TL" fluorescents, which are more efficient than standard fluorescents. In the US, efficient fluorescents using electronic ballasts are available, as are VHO fluorescents, which use three times the energy and emit two and a half times the light as the standard tubes.

When clones are grown close together they can be planted in individual containers or in planting boxes. Each plant requires about 1 quart of medium. The European growers were using 75-by-75-by-60 mm Rockwool containers.

As for your plan to use an MH and HPS in the flowering room, I would change that to two or three 1000-watt HPS lamps. There is no need for an MH in the flowering room. Even in the growth room the plants grow extremely well under the HPS.

Dear Ed,

When reading about the many "high tech" indoor growing techniques, it seems that the emphasis is on quick crops from numerous small plants. But I have read that the "older" and larger a plant is, the more potent the buds. Are these short-plant techniques just for yield, or do they also produce potencies equivalent to a fully grown plant?

—The Edge

Atlanta, Georgia

The quick, short plants are just as potent as their older sisters and clone mothers. The yield in a given space using an efficient growing plant (with clone, vegetative, and flowering areas) is increased considerably.

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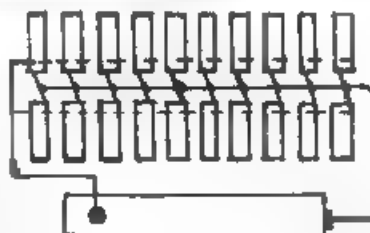
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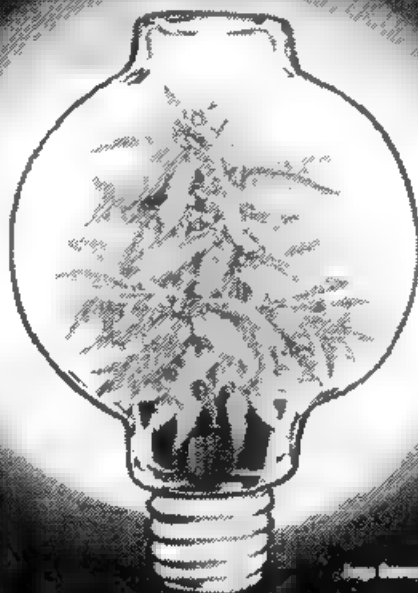
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ASKED

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One method is to use a drip emitter system and Rockwool. Plants are started in 2-inch cubes placed next to each other so that 144 cubes can be rooted in a square foot. Once they root, in about ten days, each cube is placed on a 4-inch cube. The roots grow through the top cube into the new one on the bottom. The plants are grown under continuous light until they are about 10-12 inches in height, then they are placed into flowering. They are 18-24 inches tall when ripe.

I have seen gardens that have four plants to the square foot, and experimental gardens that have nine to the square foot, which I think is the maximum squeeze. The plants each have only one main branch, which is thickly budded. This system also features a small space for the clone mother. Rather than taking generations of clones—that is, clones of clones of clones, which causes some degradation of the genetic material through mutation—one or more plants are kept in the vegetative state and are continually pruned for cuttings.

Dear Ed,

I've got a really good strain that I've been growing for about five years. I've never had any problems with it, not even spider mites. I changed the nutrient solution six months ago. Before, the smoke always had a sweet taste and a dynamite smell. It still kicks ass, but it lacks the aroma and taste. Could the nutrients be the reason for the change?

—Bob

Milwaukee, Wisconsin

If there were no other changes in your growing technique and the buds' flavor changed, the nutrient mix could be the reason.

Some growers deprive their plants of nutrients the last week so that the nitrogen in the shade leaves migrates to the new growth, causing the shade leaves to yellow and die. This means less manicuring. The technique does not affect the bud size.

Dear Ed,

Is it possible to use an MH/fluorescent combination lighting system, with the MH(s) on for 18 hours and the fluorescent on continually? Is this beneficial, or would it shock the plants?

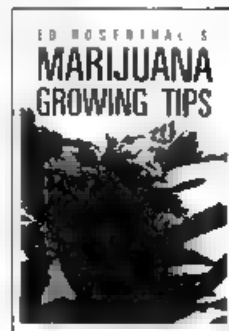
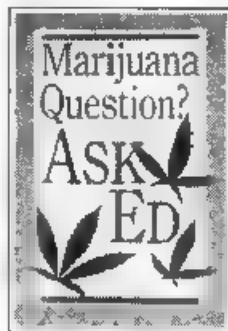
—D.J.

Tahoe City, California

Yes, you could use this combination. It would increase the growth rate of the plants, and it would not shock them.

continued on page 88

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CASE IN POINT

Omnibus Drug Bill Takes Effect

Includes Draconian Sentences, Broad Money Laundering Laws, and College Dealer Penalties

by Kevin Zeese
NORML Legal Advisor

In 1986 the 99th Congress passed an omnibus drug bill that made major changes in the extant drug laws. The most significant of these were the enactment of lengthy mandatory minimum sentences and new, broad, money laundering laws that make it difficult for drug offenders to hire attorneys.

While a number of controversial provisions—including the use of illegally seized evidence, the death penalty, and the expanded use of the military—were not included in the final bill, the changes that were made continue the 80s trend toward an unbalanced, less adversary system of justice. Last year's changes have made it more difficult for drug offenders to hire an attorney while facing the harshest criminal laws in America. Just as the horrendous 1984 Comprehensive Crime Control Act was a rush to judgment that did long-term damage to the justice system, so is the 1986 Anti-Drug Abuse Act.

This article reviews most of the major changes in the drug laws.

The Money Laundering Control Act. The 1986 laws have expanded forfeiture powers and made it illegal to structure currency transactions to avoid financial reporting laws, creating a variety of new offenses.

The first type is "financial transaction" money laundering: financial transactions done *with the intent* to promote specified unlawful activity or *with the knowledge* that the transactions are designed either to conceal the nature, source, or ownership of the proceeds of unlawful activity, or to avoid transaction reporting requirements. The transactions do not have to involve a financial institution; however, the proceeds involved must be from "specified unlawful activity." These activities include all RICO predicate offenses, all federal felony drug laws, all foreign felony drug laws, and other federal laws. Note that the "knowledge" offenses do not require the defendant to share the criminal's intent to promote further unlawful activity. The defendant must merely be aware of the *intent* of the person he received the money from.

The second type of money laundering offense is similar to the first except that, instead of being a financial transaction, it is merely a "transportation" of funds. The same knowledge and intent requirements apply. Both of these offenses are felonies punishable by up to 20 years in prison and a fine of either \$500,000 or twice the amount of money involved. There is also a civil penalty of not more than the greater of \$10,000 or the value of the funds involved.

The third type of money laundering violation is the greatest threat to the ability to hire a criminal defense attorney: "causing" a financial institution to receive and deposit proceeds from illicit activity. That is, having knowledge that funds over \$10,000 are proceeds from "specified unlawful activity." This offense is punishable by up to ten years in prison and a maximum fine of \$250,000 or twice the value of the funds involved, with no civil penalty provision.

According to an October 22, 1986 memorandum from Associate Attorney General Stephen S. Trott to all US Attorneys and Strike Force Chiefs, approval by the Assistant At-

torney General is necessary prior to charging an attorney with any money laundering offense if the proceeds are legitimate attorney's fees.

The money laundering laws also provide for criminal and civil forfeiture. These types of property are forfeitable (1) property representing the direct or indirect gross receipts from the offense, (2) property representing proceeds from drug offenses in foreign countries, and (3) any money or financial instruments involved in a money laundering violation.

Title 31 has also been changed by the new law, relating to structuring currency transactions to avoid federal reporting laws. These changes address *U.S. v. Anzalone*, 766 F.2d 676 (1st Cir. 1985), and subsequent decisions. The new law provides for administrative subpoena power to Treasury to investigate Title 31 violations. It also gives Customs the authority to search at the border—without a search warrant—any vehicle, container, or person to enforce 31 U.S.C. Sec. 5316.

Narcotic Penalties and Enforcement Act. The new penalties for possession with intent to sell provide for three categories of sentences: ten-year mandatory minimum jail terms, five-year mandatory minimum jail terms, and nonmandatory terms.

The first category allows for ten years to life imprisonment for possession of: one kilogram or more of a mixture or substance containing heroin; five kilograms or more of a mixture containing coca leaves, cocaine, or ecognine; 50 grams or more of a mixture containing cocaine base; 100 grams of phencyclidine (PCP); ten grams or more of a substance containing LSD; 400 grams or more of a substance containing fentanyl; or 1,000 kilograms or more of a mixture containing marijuana.

In addition to mandatory prison terms, the law allows for \$4,000,000 in fines for individuals. If death or seri-

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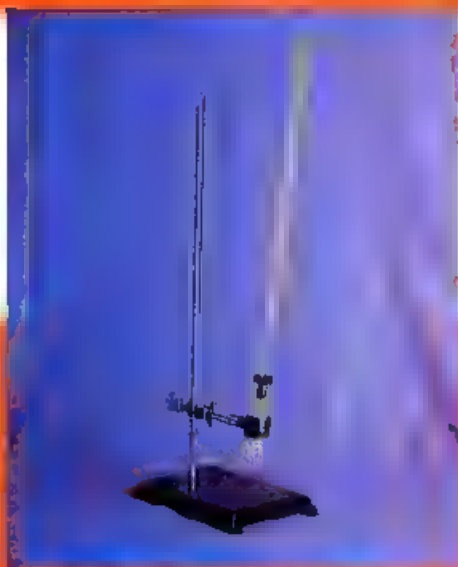
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HIGH FIVES

JOHN LELAND

Alternative Record Charts

1. ROKY ERICKSON, leader of Texas' long-defunct 13th Floor Elevators, has been alternative since before I was born, and hip since before I had any. So it is with great humility that I urge you to use the last of your food stamps to buy Roky's demonically psycho punkout, **Gremlins Have Pictures** (*Pink Dust*)

A "greatest hits" comp from a guy who had no hits, **Gremlins Have Pictures** covers the Rock's reepest tunage from 1975 to the fraud we call the present. You get protest songs, history lessons ("From the gargoyles to Stonehenge/from the Sphinx to the pyramids"), a killer version of the Velvet Underground's "Heroin," and proof that Texas—like New York and New Orleans—isn't really a part of America

I'd trade my copy for a videotape of the December Transcarn hearings (gotta work my slave), but wouldn't settle for anything less. And you shouldn't either

2. Ditto the above verbiage for **DR. JOHN**, the ugliest and perhaps funkier white man in America. Couple months ago, the Alligator label reissued the Doctor's **Gumbo** album, and for this y'all oughta send 'em nude pictures of your girlfriend. The record's just a shitload of New Orleans standards, done in Dr. John's unwittingly original style. See, he tries to sound like a different N.O. hepster on each cut (sample from his liner notes: "My guitar here is based off Guitar Slim") but that hog-calling-time voice of his (not like the hog caller, but the hog called) couldn't possibly belong to anyone else. This is just a funky, good-time, boogie woogie record, cut under the guise of a nostalgia trip/anthropological wingding.

'Nuther sample from those fine liner notes: "[Junko Partner] was... the anthem of the dopers, the whores, the pimps, the cons. It was a song they sang in Angola, the state prison farm.... The hard-core dopers couldn't wait to hit the street again after their release so they



could score again. 'Six months ain't no sentence/One year ain't no time/They got boys there in Angola Doing nine to ninety-nine ' Meaning they had no intention of reforming even before beginning their sentence."

If you aren't hooked yet, get someone you trust to hold a mirror up to your mouth. You may be dead

3. MANTRONIX, Music Madness (*Sleeping Bag*). Quite simply the most stimulating textural experimental album in years, posing as a hip hop record. This is a black city guy customizing mixes the way other city guys customize cars. Get stupid with all that chrome, y'all

4. BLACK UHURU, Brutal Dub (*RAS*). A chance to get those "way skanking" Sly and Robbie grooves without the annoying Black Uhuru lyrics. This is a mean mother

JOHN SEX

5. JOHN SEX, "Hustle with My Muscle" b/w "Bump and Grind It" (*Varia*). He's been with queens, he's been with whores, he'll make your pussy jump out your drawers. Hustle with his muscle, hustle with his muscle, can you handle the man be ow his belt? Hustle with his muscle, hustle with his muscle, he's got the most he thinks you've ever felt. Now you know why they call him the ruler.

HIGH 55 INFO:

Pink Dust, 1750 E. Holly Ave., Box 2428, El Segundo, CA 90245-1528

Alligator, Box 60234, Chicago, IL 60660
Sleeping Bag, 1974 Broadway, NYC 10023

RAS, Box 42517, Washington, DC 20015
Varia, 32 Grammercy Park So., #5A, NYC 10003

ANDES

continued from page 68

about a million dollars a month, roughly," a General Accounting Office numbers-keeper told **HIGH TIMES** in late September. "After the operation ends," a Pentagon PIO captain told us, "there'll be a ten-day interval, at which time the Defense Department will be required to submit an estimate of expenses incurred to the State Department and the Drug Enforcement Administration. And they will be obliged to pay those expenses."

At the State Department, International Narcotics Matters spokeswoman Cathy Shaw had to answer for where their part of this bottom-line \$4,000,000 would be coming from. "I haven't the foggiest notion," she told **HIGH TIMES**. "Have you asked the DEA about it?"

At the DEA, the very same spokesman who, in 1983, had guaranteed **HIGH TIMES** that his outfit was in no remotest way connected with *Los Leopardos* (in the week after the Siles kidnapping) told us this time, quote "This wasn't routine assistance from the military. This was a major push from the top, from the administration. I'm sure our people didn't go into it blind. You'll have to ask the State Department about it."

A little further into the belly of the State Department's INM we discovered one Jim Van Wert, in charge of tracking the Blast Furnace expenses. "Oh, the Bolivians are actually paying for that," he said, first thing, as if he actually expected to be believed.

For what? With 20,000-percent annual inflation, what can they possibly be paying for? Paying with what?

It turned out the La Paz treasury was supposed to be chipping in about \$3 per troop per diem, for feeding the 170 soldiers of the 193rd Infantry Battalion (and fat luck collecting that ten grand, Uncle Sam), under the terms of some agreement signed in July by State, the DEA, the DoD, and the wholly bankrupt Bolivian government. State would only be liable for up to \$200,000. Van Wert indicated, though since he didn't forthrightly declare it, his word on this is likely to be as good as the DEA's when they speak to "magazines such as **HIGH TIMES**," as he put it.

So if you're wondering why these 170 poor grunts had to sit on that lonesome no-pussy airport in the Beni from July to November—including 36 very scary hours in September when Bolivia was under martial law and thousands of townsfolk were demonstrating violently just down the road in Trinidad—you got it right here. God is a Republican.

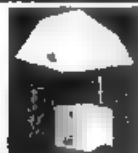
The genuine advent of the rainy season in the Southern Hemisphere, you see, sublimely does coincide with the election season up here: end of October, early November. The excuse currently being offered by the DEA and State for pulling the Blast Furnace boys out gradually in early November (even though there's still crack in all the schoolyards!) is that nothing moves in the rainy season in Bolivia anyhow (a whopping falsehood), so the troops aren't needed to keep those clunky old Bolivian Hueys in fighting trim. And by the end of the rainy season in February, everyone's confident, those Hueys will be attended full-time by the *Norteamericano* civilian employees of the famous Evergreen Helicopter Company of Portland, Oregon, which has traditionally hired the same airborne personnel as the ultra-famous Southern Air Transport and Air America companies.

Sorry About the Elephants

At this point, some readers are surely wondering fretfully if we'll ever get back to the story of Hannibal and his elephants in the Swiss Alps in 217 B.C. Only a few people, surely, will be wondering which of these three United States government components—the Pentagon, the DEA, or the State Department's narco wing—offered this big-bucks contract to exactly the sort of aviation outfit that Col. Oliver North used to do so much business with. All the people who are wondering about that are full-blown conspiracy freaks, capable of creating savage, Anacin-quality headaches for the public-information yarnspinners at the Pentagon (202-697-5131), the DEA (202-633-1000), and Cathy Shaw's office (202-647-8464) at State's Bureau of International Narcotics Matters. I could tell you right here and now who's spending our tax money to "Bolivianize" the "War on Drugs" in South America, but wouldn't it be lots more fun to find out all by yourself?

As to the elephants, hell, I'm sorry I know a lot of people got sucked into reading all this ugly stuff because they figured I'd get around eventually to telling the whole story about Hannibal and his elephants, and why he schlepped them from where Algeria is now, all the way across the Pillars of Heracles (Gibraltar), up through what's now Spain and France and Switzerland and northern Italy, and all the way down the boot to beautiful Lake Trasimene outside Rome, where

But I ripped you off, and I feel truly sorry about it. There's not the remotest historical parallel between Hannibal in 217 B.C. and Operation Blast Furnace in A.D. 1986. All smoke. All bullshit. Just like the damned government when it comes to drug issues. ●



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RUE

by Jim Poling

SINGLE ROOM FURNISHED

(United)

JAYNE MANSFIELD's last-ditch attempt for a reputation as a serious actress. It gave her a reputation as a serious actress. It gave her a reputation alright. Three big roles for Jayne this time out, the first of which dares to have her playing a teenager at a senior prom (pushing a very worn 40). Toward the end, as a wasted prostitute with a bottle of gin in her purse, she achieves a frightening and sordid realism that has little to do with acting.

THE

BELLBOY (USA)

If you want to get rid of someone at a party tell them you like Jerry Lewis. Chances are they'll excuse themselves politely. Almost no one will admit to liking him or having ever liked him, although somebody must have—his films virtually saved Paramount Studios in the early '60s. (It's still safe to say you like *THE NUTTY PROFESSOR*, though, without the risk of someone stabbing you to shut you up.) Few will laugh at *THE BELLBOY* but it's hard to watch it and not admire, at the very least, Lewis' darling. It's a ragged and purposefully disconnected series of sketches and blackouts filmed without the benefit of then-popular Cinemascope and Technicolor (the use of black and white is shockingly dreary) that milks a key gag in which Lewis is stopped from uttering a sound through the entirety of the picture. A movie so obviously de-

signed to infuriate people must be reconsidered.

DUEL IN THE SUN

(Playhouse)

Anger your friends by bringing a western over to their house to watch. Upset them more by telling them it's over two hours long and you've not leaving until it's over. Called everything from *DROOL IN THE SUN* to *GRUEL IN THE SUN* (everything but a good movie), this is the *HIGH SCHOOL CONFIDENTIAL* of the sagebrush, and a must-see western for those who hate them. Lots of cowgirls in tight sweaters and torn bra straps being manhandled by cowboys with long rifles. Ripe with purple sex, blatant sex, and symbolic sex (Jennifer Jones gets her kicks riding a horny stallion bare-backed), the outlandish vulgarities make it a slushfest

for the eyes but real murder on the brain cells.

GLEN AND RANDA (United)

After a nuclear holocaust, civilization is left in the hands of two naked hippies who hope to find the mythical Metropolis—a land untouched by the bomb and the Nixon administration. It's very '70s of them but thankfully not as "poetic" as it sounds. Made in 1971 by Jim MacBride, who, while we're at it, directed the 1983 *BREATHLESS* (Vestron) and was smartly roasted by audiences and critics for reapplying the French popisms of Godard's 1960 original to '80s Southern California. I suppose those critics feel that if the revered French robbed what was an American genre in the first place, they're entitled to keep it for themselves.



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ous bodily injury results from the use of a substance involved in the offense, even first-time offenders must be sentenced to a minimum of 20 years. The fines in this situation go up to \$8,000,000.

The category of mandatory minimum five-year prison terms includes the following drug offenses 100 grams or more of a mixture containing heroin, 500 grams of a mixture containing coca leaves, cocaine, or ecognine, five grams of a substance containing cocaine base, ten grams of PCP or a substance containing 100 grams of PCP; one gram of a substance containing LSD; 40 grams of a substance containing fentanyl; or 100 kilograms of a substance containing marijuana.

Persons convicted are subject to a mandatory minimum of 5 years and may be sentenced up to 40 years. If death or serious bodily injury occurs the penalty increases to a mandatory minimum of 20 years up to life. The statute also allows for a \$2,000,000 fine and up to \$4,000,000 if death or serious bodily injury occur.

The nonmandatory penalties apply to offenses involving lesser amounts of drugs, excepting less than ten kilograms of hashish, less than one kilogram of hash oil, or less than 50 kilograms of marijuana, unless the offense involves 100 or more marijuana plants no matter what the weight. The nonmandatory sentences allow for up to 20 years and a \$1,000,000 fine. If death or serious bodily injury occurs, a mandatory minimum of 20 years to life applies. All first-time drug offenders can be subjected to at least three years of supervised release.

The only way to avoid any of the above mandatory minimums is upon the motion of the government to seek a reduced sentence, and upon demonstrating that the defendant has rendered substantial assistance in the investigation or prosecution of another criminal offender. However, the reduced sentence must still comport with the guidelines established by the sentencing commission.

The Trott memorandum, mentioned earlier, notes that it could be argued that the wording of the statute could be read to mean that a fine could be imposed in lieu of a mandatory sentence, i.e., "[the accused] shall be sentenced to a term of imprisonment which may not be less than _____, a fine of _____, or both."

Drug Possession Penalty Act. Creates a mandatory minimum fine of \$1,000 for possession of any con-

trolled substance and/or up to one year in prison. However, if a first offense, the defendant may be put on probation without a judgment of guilt and have their record expunged after completing probation. This new pos-

session offense is not intended to encroach on an area traditionally reserved for the local authorities, but will be used only when local authorities lack jurisdiction.

Juvenile Drug Trafficking Act. Enhances penalties when someone over 18 years old knowingly employs someone under 18 in a drug offense, or if someone distributes drugs to a pregnant woman. This provision allows a doubling of penalties and requires one year in prison.

The "school yard statute," which doubles penalties for drug offenses committed within 1,000 yards of a school, has been amended to include junior colleges, vocation schools, and colleges or universities. The statute also increases penalties for such offenses. However, this does not apply to offenses involving less than five grams of marijuana.

Asset Forfeiture Amendments Act. Allows for criminal forfeiture of "substitute property" if forfeitable property cannot be located, has been transferred to a third party, is out of the jurisdiction of the court, has been substantially diminished in value, or has been commingled with other property and cannot be divided without difficulty.

Controlled Substances Analog Enforcement Act. Prohibits so-called "designer drugs." It requires that the designer drug have a chemical structure substantially similar to a Schedule I or II Controlled Substance, or have a similar effect as a Schedule I or II Controlled Substance. The Trott memo suggests that there may be proof problems with this section and requires approval from the Assistant Attorney General prior to an indictment.

Continuing Drug Enterprises Act. Provides for a mandatory life sentence for any "principal administrator, organizer, or leader of the enterprise" if either (1) the enterprise involved 300 times the quantities described in Sec. 841(b)(1)(B), e.g., 30 kilos of heroin, 150 kilos of cocaine, and/or 66,000 pounds of marijuana, or (2) if the enterprise grossed \$10,000,000 in any year of its existence. Maximum fine levels for all CCE offenses are increased to \$2,000,000 and doubled if there are prior convictions.

continued on page 89

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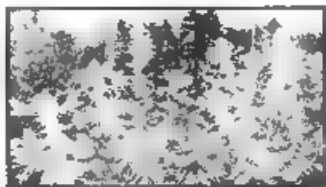
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A S K E D

continued from page 76

Dear Ed,

I have a closet 6 feet high, 4 feet wide
and 2 1/2 feet deep. I have two flush-type
hydroponics in which I grow four plants. I
have a CO₂ unit, and I can leave the door
open most of the time that the lights are
on. I've been using four Vitalite Twists
overhead and six more vertically—a total
of 400 watts.

Here's my problem: The overhead
lights are very cumbersome to raise and
adjust because of the limited space. I've
had moderate success with them, but I
think I could do much better with brighter
lights. However, I can't have the noise a
400-watt MH or HPS ballast would cre-
ate. Moreover, wouldn't a 400-watt lamp
be a little much for a space the size I men-
tioned?

I recently acquired a 150-watt HPS to
replace the fluorescents during flowering,
and it does a great job. For buds, that is,
but... My first question, would two of
those compact, quiet, 150-watt HPS
lamps supply enough light in all colors
necessary for early growth? What
lights—the brightest, but with no ballast
noise—would you recommend for a gar-
den my size?

—Patti Pot Seed

Baltimore Maryland

Your garden is 4 x 2 1/2 feet, or 10
square feet. Your present system is al-
ready quite bright, but not too bright.
The bright light forces faster growth.
The vertical fluorescent lights around
the perimeter of the garden are a good
idea. They reach parts of the plants
that would be shaded if all the illumi-
nation came from the top.

The 150-watt HPS light is an ideal
solution for your top light and can be
used throughout the growth period.
Some growers report that germination
and cloning is slower under an HPS
light than under fluorescents or
MH(s). You could use a few incandes-
cent, adapter-type 22-watt circular fluo-
rescents to start, and after the first
week or two plug in the HPS in their
place.

• I welcome comments, tips and ques-
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continued from page 67

Narcotic Traffickers Deportation Act. Increases the class of aliens ineligible to receive a visa and who will be excluded for entry into the US to include those convicted of conspiracy to violate the drug laws. The Act similarly enlarges the class of people who can be deported.

Customs Enforcement Act. Expands requirements for reporting of vessels, aircraft, and pedestrians coming into the US; increases penalties; expands forfeiture authority; expands the authority of Customs officials to make searches and seizures; allows people other than federal officials to seize objects and get paid up to \$250,000; extends Customs authority to foreign jurisdictions; allows Customs to set up phony businesses in undercover operations, and allows Customs officials to request civilians to assist them.

National Forest System Drug Control. Gives Forest Service personnel authority to carry weapons and gives them investigative and law enforcement authority in National Forests. Creates new laws concerning the use of "booby-traps" punishable by up to ten years in prison and a \$10,000 fine. The Forest Service has announced the creation of a 500-man armed force to investigate marijuana cultivation cases.

In addition to providing a lot of new laws and penalties, Congress voted significant amounts of additional funding. Interdiction was strengthened with \$678 million for Customs and the Coast Guard (\$212 million for enhanced intelligence and surveillance); \$115 million was given for additional jails in the states. Treatment and education funds were also increased: \$262 million for drug education for 1987 and \$250 million for 1988 and for 1989. A new agency was also created, the Office of Substance Abuse Prevention, which will receive \$41.6 million. A provision in the Senate Republican bill that would have cut off drug, alcohol, and mental health treatment funds to states that had decriminalized marijuana or other illegal drugs was not included in the final bill.

For a full copy of the new law, request P.L. 99-570 from Senate Documents, B-4 Hart Bldg., US Senate, Washington, DC 20510. A copy of Stephen Trott's 31-page memo to US Attorneys and Strike Force Chiefs is available from **NORM** for \$25. Send a check to 2001 "S" Street, NW, Suite 640, Washington, DC 20009.

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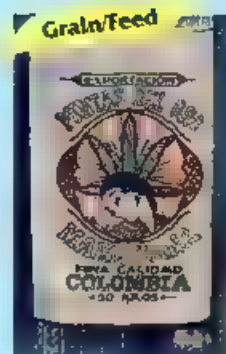
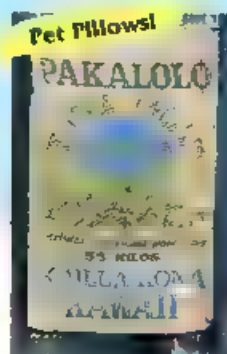
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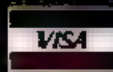
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continued from page 48

miles into Soviet-occupied territory and come back with two kilos of healthy Mazari seeds."

"He thought I was ridiculous because I didn't want to buy hash or opium," recalls Nevil. "Nobody had ever come there before to buy seeds, and at first he had no idea what I was talking about. I stood there trying to explain genetics to this tribal hash leader in sign language. When he finally figured out what I wanted, he asked for too much money. I took a zero off his price and gave him ten percent up front. He called me a bandit, but I had the seeds four days later."

Nevil also went to great lengths to obtain *ruderalis* seeds, a little-known cannabis strain that grows primarily in Russia. Although some American growers have sold so-called *ruderalis* strains in the past, Nevil undertook the

necessary trip to the Russian-Hungarian border to authenticate the plant. *Ruderalis* is not known for spectacular resin content, but it flowers automatically—regardless of photoperiod, which makes it an extremely useful hybrid, especially

REMINDER

While it is **not** illegal to order a seed catalog, possession of marijuana seeds is against the law in the U S and in most other countries except the Netherlands —The Editors

for outdoor growers. Nevil plans to cross *ruderalis*-*indica* hybrids with his Mexican dwarfs. The result? The ultimate cannabis strain: a potent indoor/outdoor bonsai marijuana tree that matures within two months and never

reaches a height over two feet. The plant would be nearly impossible to detect from the air and it could take years before the DEA even figured out what it was. Nevil is so close to perfecting this strain that seeds could be available by the time this article is published. This and other miracles can be expected soon from Cannabis Castle.

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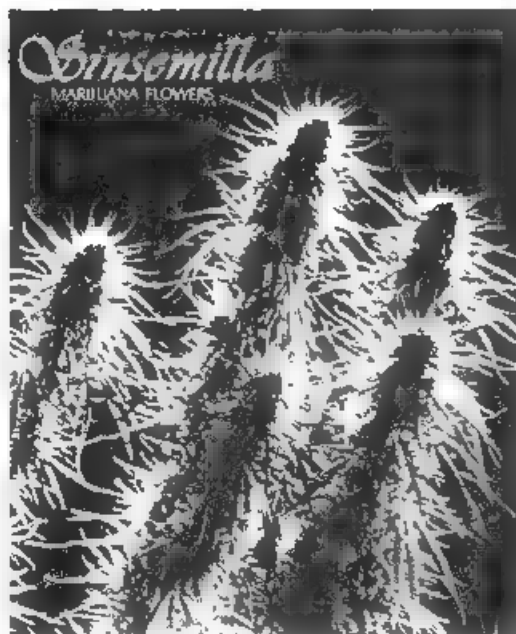
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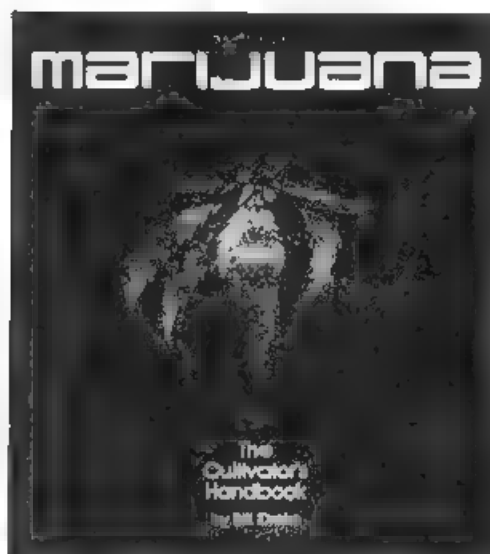
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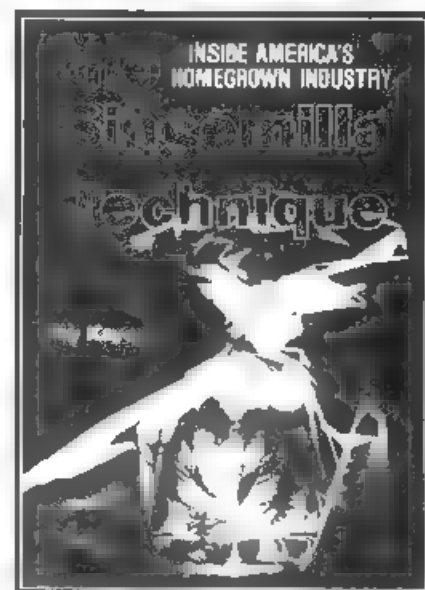
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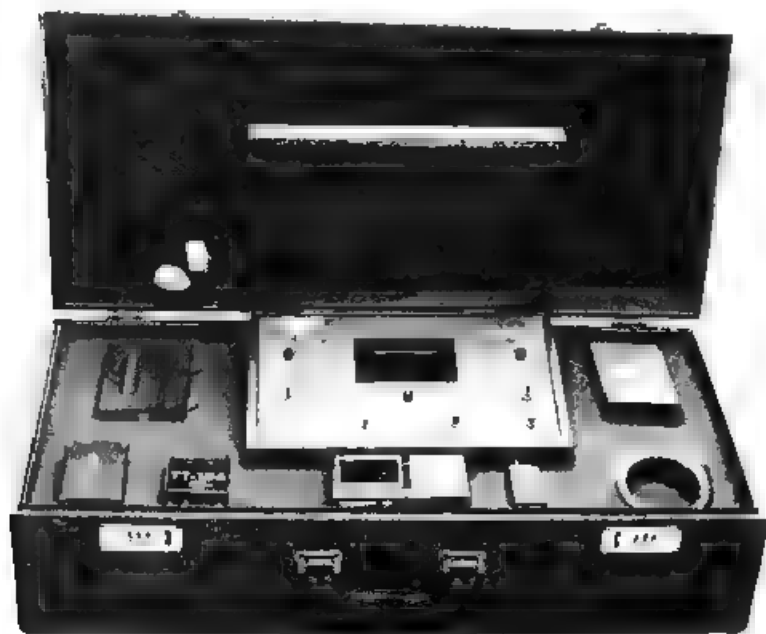
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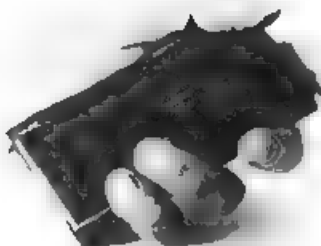
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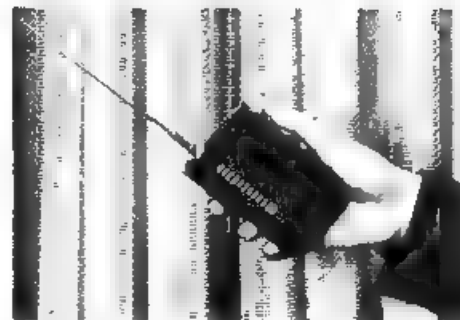
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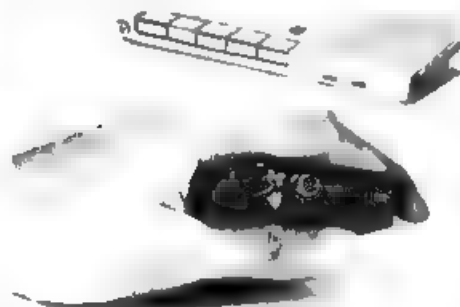
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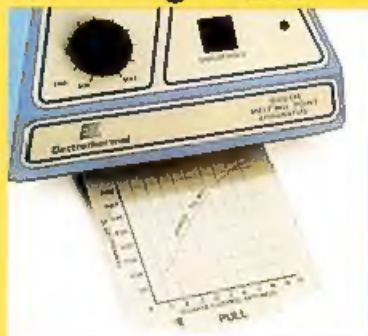
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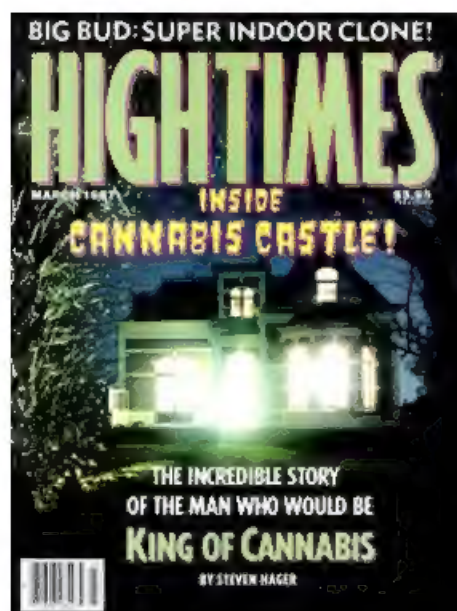
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